



FIVE

Battery
Monolight

User manual





FIVE

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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 characteristics

The FIVE Battery Monolight unit offers Manual, Action, HSS and TTL (Through the Lens Metering) mode allows you to access fully automatic exposure setups according to your digital camera capabilities. If you wish to work in the manual mode or combine both modes, the unit enables you to save the TTL exposure parameters as a starting point when passing to the manual mode.

The unit supports Skyport radio remote control and HSS. It offers fast flash durations at lower power levels.

Characteristics:

- 522 J/Ws maximum output power in Manual and TTL modes.
- 7 f-stops power range.
- Action mode for optimised flash duration.
- Bi-color LED modelling lamp power in 40 adjustment levels.
- HSS and TTL are supported on the Transmitter Pro, with the latest firmware update.
- The dedicated Group colour is visible at the illuminated Elinchrom side logos.
- Sync socket 3.5 mm and USB-C socket for recharging & firmware updates



- Internal WLAN for IoT module update and future options.
- FIVE Li-Ion Battery. Capacity: 82.08Wh / DC 14.4V Bluetooth® built-in for the Elinchrom Software/App (available for iOS, Android, macOS and Windows).
- Elinchrom standard mount for accessories.
- 7/8 mm umbrella shaft.
- Ergonomic design with large LCD colour display.

Elinchrom TTL mode

- 7 f-stop flash power range.
- TTL +/- 3 f-stops adjustable in 1/3 steps.
- LED modelling lamp is adjustable in 40 power steps.
- Compatible with Canon, Nikon, Fujifilm, Sony, Olympus/Panasonic and Pentax.

Manual mode

- Compatible with all Skyport Transmitters.
- Flash power in 1/10 f-stop steps.
- Saves the TTL power as a starting point for the manual mode.



Before you start

GENERAL USER SAFETY INFORMATION

- Flash units are powerful light sources. Please be aware of the danger, or inconvenience, that they may present to some persons and children.
- Keep flash units out of reach of unauthorised persons whenever possible.
- Keep flash units away from children!
- According to safety regulations, we draw your attention to the fact that electronic flash units are not designed for extreme outdoor use, in damp or dusty conditions and should not be used after being exposed to sudden temperature changes causing condensation. The humidity protection class conforms to the norms of IP20.
- Do not use without permission in restricted areas (such as hospitals, laboratories, etc.).
- Do not use near flammable / explosive material. Keep minimum 1m or more distance to any object.
- Never flash into the eyes of a subject without warning. Close use may affect eyesight.
- The ambient temperature whilst the unit is in use: -20°C (-4°F) up to max. 35°C (95°F). Storage temperature: 15°C up to 25°C. Charging temperature: 0°C to 35°C
- There is high voltage and there can be high currents, so please apply all the usual safety precautions when handling the unit.



- Do not turn on the device without a mounted and working flashtube due to high voltage at the exposed terminals!
- Flash systems store electrical energy in capacitors by applying high voltage.
- The units may retain an internal charge for a considerable time even though disconnected from the battery. Internal defective charge capacitors may explode whilst the unit is in use, so never switch on a flash unit, once it has been found to be faulty.
- For your safety, never open or disassemble your flashes. Only an authorised personnel should open or attempt to repair this unit.
- Always switch off the flash unit before changing accessories.
- The unit, the flashtube and accessories may become very hot during and after use! To avoid injuries, handle with an insulating cloth or wait until parts have cooled down. Avoid direct sunlight, which might heat up the flash unit and affect the photocell efficiency. Protect the flash unit when used in humid conditions but ensure ventilation for cooling!
- Under no circumstances should any object be inserted into the ventilation holes.
- Use only original Elinchrom Accessories. Damaged cables, glass domes and cases must be immediately replaced by customer service.



BATTERY SAFETY AND CHARGING NOTICE

IMPORTANT! FOR YOUR SAFETY

Do not use the battery for a purpose other than those specified!

- To recharge the FIVE battery we recommend using the Elinchrom 65W USB-C Wall 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 external battery gives off odors, generates heat, or is deformed, or in any way appears abnormal during use, recharging or storage, immediately remove the Battery Charger and stop using it.
- Recharge the FIVE after using. Store the unit only with a recharged battery!
- If the FIVE is not frequently used, recharge the unit latest after three months to avoid damaging the Li-Ion cells by deep discharging.
- Do not expose the unit to extreme heat, cold or humidity to avoid damages.

DO NOT USE A FAULTY, APPARENTLY DAMAGED OR DEFORMED BATTERY UNIT! ELECTRICAL, CHEMICAL AND MECHANICAL HAZARDS

- Do not disassemble, open or modify the battery.
- Do not transport or store the battery together with metal objects such as necklaces, hairpins, etc.



- Do not pierce the battery with a nail or other sharp objects, strike it with a hammer, or stand on it.
- Do not strike or throw the battery.
- If the battery 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.
- Store the battery in a location where children cannot reach it.
- Do not put the battery into a microwave oven or a pressurized container.

WARNING: PHOTSENSITIVITY / EPILEPSY / SEIZURES

A very small percentage of individuals may experience epileptic seizures or blackouts when exposed to certain light patterns or flashing lights. These conditions may trigger previously undetected epileptic symptoms or seizures in persons who have no history of prior seizures or epilepsy. If you, or anyone in your family, has an epileptic condition or has had seizures of any kind, consult your physician before using the EL unit.

IMMEDIATELY DISCONTINUE use and consult your physician before resuming use of your EL unit if you or any person experience any of the following health problems or symptoms:

- Dizziness
- Eye or muscle twitches



- Disorientation
- Any involuntary movement
- Altered vision
- Loss of awareness
- Seizures or convulsion

OUTDOOR USE

CAUTION! PROTECT THE BATTERY PACK AGAINST HUMIDITY!

This product is designed for dry use and should not come into contact with water or dust. In humid conditions cover or otherwise protect the battery unit. Do not immerse the FIVE unit in water / seawater and do not allow it to get wet. The unit protection class conforms to 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 near a heat source (+60°C or higher) such as an open fire, a heater or direct sunlight. If the FIVE unit has been exposed to very cold conditions, sudden exposure to warm or humid air may cause condensation and malfunction.



FLASH TUBES & LED-MODELLING LIGHT SAFETY NOTICE

- Flashtubes and the LED-Reflector dishes may become very hot during and after use!
- Never touch a flash tube or exchange it before the unit has cooled down and is disconnected from the pack.
- Do not fire flashes from short distances directed towards a person.
- Do not look into the bright LED modelling lamp.
- Do not use near flammable / explosive material.

Operating instructions

- The FIVE is a battery monolight unit, use only the original FIVE Li-Ion battery. We recommend always using the Elinchrom 65W USB-C Wall Charger to charge the FIVE batteries.
- Insert the battery under the unit and ensure that the battery is well placed.
- Turn the unit ON.
- DO NOT operate the unit without first removing the black protective cap.
- Follow the instructions for fitting accessories.
- See features and functions of the FIVE on the following pages.





Charging / 65W USB-C Wall Charger

Use only the original Elinchrom 65W USB-C Wall Charger to recharge the built-in Li-Ion battery.

- Recharging time: Approximately 200 min. to 100%, when the unit is switched on (Fast charge mode).
- Battery capacity min./max power: approximately 1800 / 450 flashes per charged battery
- Recharge the unit only at temperatures from 0° C to 35° C
- Recharge the Li-Ion battery before storing the unit
- If the unit is not frequently used, recharge the unit after latest 3 months

FIVE Lithium Ion Battery





Fitting Accessories

- Always switch the unit off before attaching accessories.
- Mount the flash unit to a tripod and lock the security screw.
- Shift the locking knob (on the top of the unit) of the reflector bayonet to the OPEN position.
- Insert an accessory and turn it clockwise until you hear it click into place.
- Shift the locking knob (on the top of the unit) of the reflector bayonet to the CLOSE position.
- Check if the Reflector is correctly fitted.

Please use only original Elinchrom accessories and reflectors. The warranty does not cover damage caused by third party accessories and reflectors.



Control panel

1. Umbrella Support 7/8 mm
2. 4 inch LCD Display
3. Favorite button, configure a specific unit feature as quick access
4. Modelling Lamp button: short push (on/off) / long push (menu access)
5. Menu navigation button (right/exit) Menu navigation button (left/back) or power increase by 1 f-stop
6. Scroll button multifunctional (Test flash, power, navigation)
7. Menu navigation button (left/back) or power decrease by 1 f-stop
8. Menu access
9. On/off (red illumination indicates the stand-by mode)
10. Photocell



FIVE Inputs (under the unit)

1. Sync plug 3.5 mm jack
2. USB-C





DISPLAY PANEL – DASHBOARD

The main dashboard displays essential information about the settings. The colours of the upper bar correspond to the group number:

Blue for Group 1

Orange for Group 2

Red for Group 3

Green for Group 4

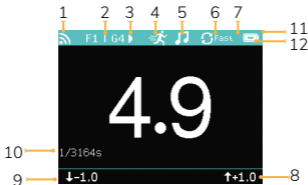
The dedicated Group colour is visible at the illuminated Elinchrom side logos and on the display. It is possible to switch between black or white menu background colour in the Extras settings.





DASHBOARD INFORMATION

Settings that are not enabled are not displayed in the dashboard. For example, if the modelling lamp is switched off, the modelling lamp symbol does not appear on the dashboard.



1. Skyport synchronisation.
2. Skyport frequency channel and group number
3. Photocell status
4. Action mode (fast flash duration over the entire power range)
5. Ready beep
6. Fast mode (fast recycling)
7. LED modelling lamp status
8. Increase flash power by 1 f-stop
9. Decrease flash power by 1 f-stop
10. Flash duration value. The flash duration is only visible at normal x-sync shutter speeds (1/125 or 1/250s depending on the camera)
11. The colour in the upper bar indicates the Group
12. Battery status

TTL MODE

The TTL (Through the Lens Metering) mode allows you to access fully automatic exposure setups according to your digital camera distance. The TTL values are automatically saved when passing to the manual mode.



To operate the unit in the TTL mode, please use the radio remote Transmitter Pro and activate the TTL function.

FIRMWARE UPDATES

The functionality is constantly extended and improved, always use the latest firmware for the Transmitter Pro and the FIVE flash unit.

LED MODELLING LAMP

Modelling lamp settings are accessible through a dedicated modelling lamp button.

Controlling the LED/MOD lamp menu access:

- A short press on the modelling lamp button turns on the LED lamp of the FIVE monolight flash unit.
- A long press on the modelling lamp button opens the modelling lamp setup menu.

LED MODELLING LAMP MENU FEATURES

Enter the modelling lamp setup menu with a long press on the modelling lamp button. You can directly adjust the power of the modelling lamp by turning the scroll button. To exit the menu press the (right) button.

LED MODELLING LAMP SETTINGS

To access modelling lamp mode prop/free, VFC (visual flash control) and the mod. lamp timer press the (left) button. With the scroll button go to the feature (turning) you want to modify. Now press the scroll button to activate the option and select (turning) the option and press to confirm.



MENU OPTIONS		DESCRIPTION	HOW TO
Mode		Please choose between the free or the proportional mod. lamp value setting	Short press on the left button, change and confirm with the scroll button
	Free	Power value of the modelling lamp is independent of the flash power value.	Use the scroll button to set the value, the setting will be automatically stored.
	Proportional	Power value of the modelling lamp changes with the flash power values.	To modify settings here, press the left button to enter into the menu option.
VFC	On / Off	Visual Flash Confirmation.	
Timer	On / Off	The mod. lamp switches off after the timeframe set by the timer value.	
	Timer value	Modelling lamp timer, in sec	



RADIO FEATURES & SETUP

The Elinchrom FIVE unit supports the Transmitter Pro, ensure that both, the unit and the Transmitter Pro are operating with the latest Firmware.

SKYPORT

Choose in which group and frequency you would like to work. Change group settings to have better control for example between main light and second lights. Change frequency channel to avoid interference.

RADIO SETUP		
Radio	Mode	Normal
	Group	4
Flash	Frequency	2
Photocell		
Extras		
Info		
BACK	SELECT	EXIT

FLASH MODE SETUP

ACTION MODE

When the Action mode is activated, the unit offers a fast optimised flash duration, to freeze motion.

FLASH MODE SETUP		
Radio	Flash mode	Action
	Recycl. time	Fast
Flash	Flash before	Yes
Photocell		
Extras		
Info		
BACK	SELECT	EXIT

RECYCLING TIME

The flash mode menu enables you to set the recycling time to fast or to default.

FLASH BEFORE READY

If flash before ready is activated, a flash can be released before the flash unit is 100% recharged. Deactivated, the unit will only release a flash when 100% recharged, for exact exposures at any power level.



EXTRAS

The Extras menu offers individual programmable unit settings: Auto standby, Auto-off, Auto-on, (to switch the unit on, Ready tone, Key-Board click and Background black or white. With the Favourite Button, configure a specific unit feature as quick access. The illuminated side EL-Logos can show the Group colour or set to white or can be dimmed or switched off.

EXTRAS SETUP		
Radio	Auto stand-by	off
	Auto-off	59
Flash	Auto-on	Yes
	Favorite-K	Flash mode
Photocell	EL logo mode	High on ready
	EL logo Color	Group color
Extras	Ready tone	12
Info	Ready volume	DelMax
	Error volume	Default
BACK	SELECT	EXIT

INFO

The Info section allows you to see the friendly name of the unit and a number of current usage statistics, such as lifetime of the unit and the use of the flashtube.

SETUP MENU		
Radio	Friendly name	FIVE
	Firmware rev	0.1
Flash	Skyport ID	22312
	Life time	53:08
Photocell	Power on count	312
	Flash count	52789
Extras		
Info		
BACK	SELECT	EXIT

If you want to personalise the name of your unit, use the Elinchrom App for iOS, Android or the Windows, macOS computer software. The name will appear in the Info section (friendly name). Shortcut: to see the friendly name of the unit when working with the dashboards (outside of the setup menu), use a long press on the Scroll button (7).



REPLACING THE FLASHTUBE

1. Remove the battery and USB-C cable if you were using Active Charge.
2. Wait 45 min. whilst the internal discharging is in progress. Flashtube and internal reflector dish can be hot!

3. To remove the glass dome, you require a Torx TX10 screw driver. Remove the three screws which holds the glass dome with the metal ring on the inner reflector dish.



4. Never touch flashtubes, please use gloves. Pull the flashtube carefully out. HIGH VOLTAGE! Never touch broken flashtubes or electrodes! In this case remove the flashtube with an isolated clamp!
5. Insert a new flashtube, please use gloves.
6. Use only the original Elinchrom flashtube for this unit, third party flashtubes may damage the flash unit.
7. Please check that the trigger contact fork firmly grips the flashtube.
8. Re-mount the glass dome with the metal ring by using the 3x TX10 screws.
9. Ensure that all parts are in place and test the unit.



TROUBLESHOOTING

SOFT RESET

To reset settings to default values, push the LEFT and RIGHT buttons at the same time and hold for at least 5 seconds. The unit will reboot and will clear working parameters. This will not reset the counter in the “Info” menu.

Warning Messages

Wait until the unit has cooled down. The unit will switch back to the normal operation as soon as the temperature decreases.



ERROR TABLE

Description	Solution
Capacitors over voltage	Switch the unit off, wait 2 minutes and switch the unit on again. If the error shows up again the unit requires a check-up at an authorised Elinchrom Service Centre.
Charge Timeout	
Unstable voltage (Charge hold error)	
Discharge circuit error	
Overtemperature	



MAINTENANCE

The FIVE Battery Monolight flash unit require only very little maintenance. To ensure secure operation please check the following points regularly before using:

- Ensure that the plug-in flash tube is correctly fitted.
- Do not use water to clean dust and dirt from the unit.
- Ventilation grids must be clean and free of any tape, etc.
- The functionality is constantly extended and improved; please check at www.elinchrom.com/support/firmware/ if a new firmware is available.

CAUTION!

Under no circumstances open any part of the battery. The FIVE unit is not user serviceable and contains dangerous high voltage. In the event of difficulty contact your Elinchrom Service partner.

REGULAR CHECK

National safety regulations require frequent safety checks of the electrical equipment. The FIVE unit should be checked once a year. This check not only guarantees safety; it also protects the value of the unit.



RETURN TO CUSTOMER SERVICE

To achieve maximum protection of the unit when sending it in for service, the original packaging should be kept. For service and sales, please contact your local Elinchrom Distributor.

www.elinchrom.com/store-locator/

TRANSPORTATION

Use only the original cartons or cases when you travel or ship flash units to avoid transportation damages. Try to avoid condensation related problems, acclimatise flash units before using them.

Ideally discharge flash units before transporting them and wait 30 minutes after the battery has been removed so the unit has cooled down. Never drop a flash unit; the flashtube and internal components could break.

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 distributor (please visit our website for a list of all Elinchrom distributors worldwide).



TECHNICAL DATA

Energy Ws/J	522
Beam angle	155°
F-stop 1m, ISO 100, Reflector, 26cm, 48°	90.4
F-stop 2m, ISO 100, Reflector, 26cm, 48°	32.8
Power range F-stop	7
Power range Ws	7 – 522
Power range display	1/1 to 1/64
Power increments in F-stop, Manual mode	1/10 th
Power increments F-stop, TTL mode	3/10 th from – 3.0 to +3.0 with Transmitter Pro
Flash duration Normal mode - t0.1 min/max power	1/1800s – 1/200s
Flash duration Action mode - t0.1 min/max power	1/8080s – 1/250s
Power at shortest flash duration, Action mode	7Ws
Recycling time min/max power in s.	0.01 / 1.6



Flash mode	TTL (with Transmitter Pro) Manual
Standard mode	Optimized color temperature over the power range
Action mode	Faster flash duration over the power range
TTL mode	Yes (with Transmitter Pro)
HSS mode	Yes (with Transmitter Pro)
Battery Li-Ion	82Wh / DC 14.4V
Battery flash quantity min/max, LED Off	14'600 / 450
Battery flash quantity min/max, LED On	6000 / 350
Colour stability over the power range, K°	± 200K
Auto power dumping	Adjusts power settings automatically in real time
Power stability	± 0.5%
Colour temperature in K° max. power	Standard: 5600* Action: 5900 HSS: 5500

*Please note that the measured colour temperature might vary depending on the accessory, environment, and time of day.



Charging time with 65W USB-C Wall Charger	Battery plugged-in unit: 80% – 1h10 100% – 1h35
Charging time with 65W USB-C Wall Charger	Battery out of unit: 80% – 2h00 100% – 2h35
LED modes modelling lamp	On/Off, free, proportional, VFC
LED power modelling lamp	26 W LED 4000 lm / CRI 91 - 94
LED color temperature modelling lamp	Presets from 2700 K to 6500 K
LED running time LED only, min/max power	30h / 2h15
Flash tube, plug-in user replaceable	Article code: 24092
Glass dome transparent	Screwed with 3x Torx TX10
Skyport (built-in)	20 frequencies, 4 Groups, TTL and Manual
Skyport distance range with Transmitter Pro	Indoor: up to 60 m Outdoor: up to 200 m



Bluetooth® (built-in)	Version 4.2 Compatible Studio Software Windows, macOS, Android, iOS
USB-C input	Charging & firmware updates
Sync voltage	5V (compatible with all cameras)
Sync socket	3.5 mm jack
Fan	Fan cooled, Smart Pro Active cooling
Accessory mount	Elinchrom
Umbrella fitting	Centred umbrella fitting 7 – 8 mm
Dimensions with Protective Cap	H: 26.3 cm H: 10.35" W: 16.7 cm W: 6.57" L: 28 cm L: 11.22"
Weight	2.4 kg / 5.3 lbs
Weight incl. battery	3 kg / 6.6 lbs
FIVE Article No.	20960.1
FIVE Battery Article No.	20962



LEGAL INFORMATION

FCC CLASS B COMPLIANCE STATEMENT

Product name Article No.	Elinchrom FIVE 20960.1
Product name Article No.	Elinchrom FIVE Battery 20962
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