

USER MANUAL GEBRAUCHSANLEITUNG MANUEL D'UTILISATION MANUALE D'USO MANUAL DE INSTRUCCIONES

Ranger Quadra Head A or S
Flashhead for Ranger Quadra Power Pack system



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Tolerances and specifications conforming to IEC and CE standards. Technical data subject to change without notice.

Ranger Quadra Head A / S

Dear Photographer,

Thank you for buying the Ranger Quadra A-Head or S-Head for the Ranger Quadra Battery Power Pack.

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 controls both during and after manufacture.

We trust that it will give you many years of reliable service.

All flash units are manufactured for the studio and location use of professional photographers.

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

This unit embodies the very latest technology and is manufactured in Switzerland, by Elinca S.A., complying with all Swiss and E.C. relevant norms. It integrates with the existing Ranger RX / Speed A / Speed AS units in all control and remote functions.

FCC Class B Compliance Statement / USA & Canada

This equipment has been tested and complies with the norms for a class B digital device, pursuant to Part 15 of the FCC Rules and meets all requirements of the Canadian Interference-Causing Equipment Regulations. These norms are to provide adequate protection against 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 instruction manual, 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 not cause harmful interferences to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to correct the interferences by one or more of the following measures:

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

ELINCA S.A. is not responsible for any radio or television interference caused by unauthorised modifications of this equipment or the substitution or attachment of connecting cables and equipment other than those specified by ELINCA S.A. The correction of interference caused by such unauthorised modification, substitution or attachment will be the responsibility of the user.

Declaration of conformity

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, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Product name	Battery Flash System
Trade name	ELINCHROM
Model number(s)	Ranger Quadra S/A Head
Name of responsible party	Elinca S.A Av. De Longemalle 11 1020 Renens / Schweiz
Phone :	+41 21 637 26 77
Fax:	+41 21 637 26 81

ELINCA S.A. hereby declares that the equipment bearing the trade name and model number specified above was tested conforming to the applicable FCC rules, and that all the necessary steps have been taken and are in force to assure that the production units of the same equipment will continue to comply with the Commissions requirements.

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 Agent (visit our website for a list of all ELINCHROM agents world wide).

CE marking



The shipped version of this device complies with the requirements of ECC directives 89/336/ECC «Electromagnetic compatibility» and 73/23/ECC «Low voltage directive».

Notational Conventions

The meaning of the symbols and fonts used in this manual are as follows:



Pay particular attention to text marked with this symbol.
Failure to observe this warning endangers your life, destroys the device, or may damage other equipment.



Supplementary information, remarks, and tips follow this symbol.
Text which follows this symbol describes activities that must be performed in the order shown.

«Quotation marks» indicate names of chapters or terms.

User Safety Information

Because a portable Flashhead is frequently used “on location” please be aware of the danger, or inconvenience, which it may represent to others for example children.

- Keep flash units out of reach of unauthorised persons whenever possible.
- Do not use in restricted area (like hospitals, always ask permission before).
- Do not use near flammable / explosive material.
- Always switch off the unit before connecting or disconnecting heads.
- Flash tubes and the LED-Reflector dishes may become very hot during and after use!
- Do not touch the LED; this might force damages.
- Never touch a flash tube or exchange before the unit cooled down and is disconnected from the battery.
- Do not fire flashes from short distances directed towards a person.
- Minimum distance for persons: 30 cm, for animals 1 – 2 m.
- There is high voltage and can be high currents, so please apply all the usual safety precautions when handling the unit, changing flash tubes, flash cables, etc, as you would with mains powered electronic flash.
- Protect the Ranger Quadra Heads & Power Pack when used in wet conditions.
- Flashhead cables must be connected correctly at both ends. Use this cable only for Ranger Quadra and the Ranger Quadra S & A Heads.
- If the unit has been exposed to very cold conditions, sudden exposure to warm or humid air may cause condensation and malfunction.
- Transport the Heads only in the original bags, cases or cartons and protect the flash tube and the LED with the standard reflector 13.5 cm.
- Prevent direct sunlight, which might heat up the Heads and the Power Pack.
- Do not open the unit. In the event of damage or apparent failure, contact the Elinchrom Service Centre.

Before You Start

Ranger Quadra AS and the RQ S or A Heads are portable units, which will be frequently used “on location”. Please be aware of the danger, or inconvenience, which it may represent to others for example children.

- Connect the flash cable with the security locking ring first to the RQ Head and than to the RQ Power Pack.
- Ensure that the RQ Power Pack is switched OFF.
- Adapt the reflectors or accessories, which are required for the shooting.
- Only correct fitted flash cable connections are secured against moisture and dust.
- Power Pack outlets not in use must be protected with the security covers.
- Check all connections again; the cable must be locked with the security ring and than switch on the unit.



- Please read the Ranger Quadra AS Battery Power Pack manuals.
- Always switch off the unit before connecting or disconnecting heads.
- Always switch off the unit before connecting accessories and reflectors.
- Ambient temperature when the unit is in use: -20° C (-4° F) up to 40° C (104° F).

Ranger Quadra A & S Flashheads

The system offers two Ranger Quadra Heads with LED Pilotlight:

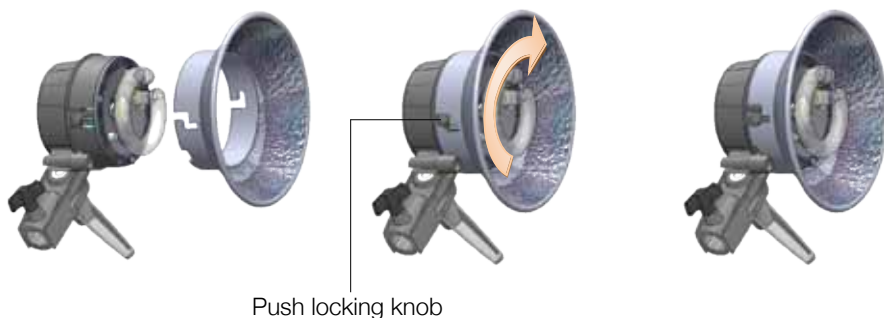
- The S Head is designed for universal photography equipped with a standard omega plug-in flashtube.
- The A Head offers a very short flash duration for action freezing photography. The new A tube is a single twin pole plug-in flash tube also with even light distribution.
- The super efficient LED Pilotlight 20 W (equals ca. 40 W Halogen) functions only when used with the Ranger Quadra Battery Power Pack.
- Switch on the LED-Pilotlight by pressing the touch once. The LED lights for 15 s (standard), or longer depending which user setting is programmed. By pressing the touch again, the LED switches off.
- The new RQ Reflector range with bayonet fits only to Ranger Quadra S & A Heads.
- Elinchrom accessories with the 12 cm standard bayonet require the new RQ EL-Adapter 26339.

Ranger Quadra A- & S-Head Characteristics

- Compact portable Flashhead for Outdoor and Studio photography.
- Up to 400 ws maximum flash power, for the Ranger Quadra AS Battery Power Pack.
- Two Head versions with a standard S flash tube and a speed A version for “Action-Freezing” imaging.
- Small and lightweight Flashhead with plug-in flash tube and LED / Daylight Pilotlight.
- Efficient power saving 20 W LED (equals ca. 40 W Halogen).
- Easy to use, new reflector mechanism with security locking.
- Two new optimised reflectors with 55° and 70° for RQ S & A Heads.
- Optional Reflector Adapter to use the wide range of EL-Reflectors.
- Detachable high quality flash cable for optimal power and flexibility in 1.5 m, 2.5 m standard, 3.5 m.
- Integrated umbrella fitting for EL-Umbrellas up to 105 cm.

Fitting Reflectors

1. Always switch off the unit before connecting accessories and reflectors.
2. Disconnect the flash cable from the RQ Power Pack.
3. Mount the RQ Head to a tripod and lock the security screw.
4. Place the Reflector over the RQ Head, with the Umbrella hole showing down.
5. Press the RQ Head locking knob firmly down and turn the reflector to the right until you hear the snap-in noise.
6. Please follow images below...
7. Check if the Reflector is well fitted.
8. Reconnect the flash cable to the Power Pack and switch the unit on.



Exchanging Reflectors

1. Switch the RQ Power Pack OFF and disconnect the flash cable.
2. Mount the RQ Head to a tripod and lock with the security screw.
3. Press the RQ Head locking knob firmly down and turn the reflector to the left.
4. Now pull the Reflector from the Head.

Flash Tube Replacement

Elinchrom uses high quality long-life flash tubes specifically made for Ranger Quadra A and S Heads. To exchange a user replaceable plug-in flash tube, please follow the instructions below:

1. Switch the Ranger Quadra Power Pack OFF.
2. Disconnect the cable first from the RQ Power Pack and secondly from the RQ Head.
3. Place the RQ Head on a dry and clean surface.
4. Wait until the RQ Head cooled down.
5. Attention: Use protective gloves to remove the flashtube:
 - Pull the flash tube firmly out of the terminals.
 - If the tube is broken, use security gloves. Avoid cutting yourself!
 - Never touch the metal electrodes and ensure that the unit is discharged and disconnected from the RQ Power Pack! Use an insulated tool to pull out the electrodes.
6. Take the new flash tube. A glove or "plastic protection" **MUST BE USED**.
 - For the RQ S-Head use the S flash tube / N° 24009
 - For the RQ A-Head use the A flash tube / N° 24000
7. Contact with your fingers on the glass, will cause dark markings on the tube when it is used.
8. Check that the tube is correctly aligned (central) and that the trigger contact is gripping the tube.
9. Re-connect and test the unit as usual.



Ranger Quadra S Head
N° 20107



Ranger Quadra A Head
N° 20110

Ranger Quadra Head Accessories

- 26145 Ranger Quadra Standard 13,5 cm Reflector 70°
- 26056 Ranger Quadra 18 cm Grid Reflector 55°
- 26151 Ranger Quadra Softbox 40 x 40 cm
- 26339 Ranger Quadra Reflector Adapter / EL-RQ to use Elinchrom standard accessories and reflectors.
- 11000 RQ Flash cable 1.5 m
- 11001 RQ Flash cable 2.5 m standard
- 11002 RQ Flash cable 3.5 m
- 24009 RQ S Flashtube
- 24000 RQ A Flashtube
- 33214 RQ Set case; for 2x RQ Heads, 2x Battery Box, 1 Ranger Quadra Battery Power Pack

Ranger Quadra Reflector Adapter EL-RQ / 26339

The Reflector Adapter EL-RQ can be used with following Elinchrom accessories.

- All Elinchrom metal Reflectors
- Elinchrom Rotalux softboxes and Deep Octa up to max. 1m diameter and length
- All Elinchrom Portalite softboxes
- All Elinchrom umbrellas, up to 105 cm diameter
- All Elinchrom Deflector Sets



Ranger Quadra Head Specifications

		RQ-S Head	RQ-A Head
Max. flash power load	J / Ws	400	400
F-stop, 2m, 100 ISO, RQ 13.5 cm Refl. 70°	F-stop	16.5	16.2
F-stop, 2m, 100 ISO, RQ 18 cm Refl. 55°	F-stop	22.4	22.0
F-stop, 2m, 100 ISO, EL-HP Refl. 48° with RQ, EL Refl. Adapt.	F-stop	32.4	22.9
Flash duration : t 0,5	Outlet A (100%)	1/1300	1/3000
	Outlet B (33%)	1/3200	1/6000
	Outlet A+B (100%)	1/1800	1/4000
LED Pilotlight	W	20	
Dimensions Ranger Quadra Head S / A	cm	8.5 x 8.0 x 15.0	
Weight:	Ranger Quadra S/A-Head	0.25	
	Flash cable 2.5m	0.4	

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