

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

Ranger Quadra AS

Ultra compact Battery 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 AS

Dear Photographer,

Thank you for buying your Ranger Quadra AS autonomous 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 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 integrate 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 AS
Name of responsible party	Elinca S.A Av. De Longemalle 11 1020 Renens / Schweiz
Phone :	+41 21 637 26 77
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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 unit is frequently used "on location" please be aware of the danger, or inconvenience, which it may represent to others for example children.

- Before you travel or transport the unit: Select the function "Auto Off" and switch Off the unit. This will give a maximum of security and no loss of battery supply during transport.
- Avoid condensation related problems.
- Keep flash units out of reach of unauthorised persons whenever possible.
- Switch off when not in use and disconnect Flashheads.
- There is high voltage and can be high currents, so please apply all the usual safety precautions when handling the unit, changing fuses, etc, as you would with mains powered electronic flash.
- The units may retain an internal charge for a considerable time even though disconnected from the battery.
- Do not open the unit. In the event of damage or apparent failure, contact the Elinchrom repair service.
- On no account should any object be inserted into the flash plugs, use only the original EL Flashheads.
- Do not use in restricted area (like hospitals, always ask permission before).
- Internal defect charge capacitors may explode whilst the unit is in use, never switch on flash unit, once it has been found to be faulty.

Flash Tubes and LED-Pilotlight

- Flashtubes and the LED-Reflector dishes may become very hot during and after use!
- 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.
- Do not use near flammable / explosive material.

Travelling by Air

Due to strict security regulations, please note:

- Remove the 20 A fuse from the top side of the Battery Box, this deactivates the «Lead-Gel-Battery»
- Remove the Battery Box from the Ranger Quadra unit and store in your luggage "hold" baggage.
- The sealed lead battery conforms to the special provisions of UN No. 2800/238.

Also this battery satisfies the special provisions A67 prescribed in Non-Dangerous Goods Regulations by IATA.

Outdoors

- A thermal cut out protects internal electronic components. At high ambient temperatures or after rapid or frequent use, the thermal cut out may interrupt the capacitor charge.
- The display shows "E2". After cooling down, the Ranger Quadra restarts automatically. A Beep signal announces that the unit is ready for operation. Note: The acoustic signal occurs only if the „Beep“ function is switched on.
- In humid conditions cover or otherwise protect the Power Pack and the Flashhead. The humidity protection conforms to the norms of IP20.
- If the unit has been exposed to very cold conditions, sudden exposure to warm or humid air may cause condensation and malfunction.
- Never exchange the Battery under damp / humid conditions - look for a dry and clean area!!
- The battery locking system cannot be protected against humidity / water / rain.
- Take care that the battery is correctly locked.
- Outlets not in use must be covered with the protection caps.
- Always switch off the unit before connecting or disconnecting heads.
- Protect the Ranger Quadra Heads 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.

Ranger Quadra Characteristics

- Compact portable Battery Flash System for outdoors and studio photography.
- 400 ws with asymmetrical 2:1 power distribution.
- Small and lightweight Flashhead with plug-in flash tube and LED / Daylight Pilotlight.
- Integrated EL-Skyport Transceiver, programmable 4 Groups, 8 Frequency channels, flash power & Pilotlight remote control, flash triggering. To activate and use these functions, the optional EL-Skyport Transmitter 19351 is required.
- Eye Cell; Anti-Red-Eye pre flash management system.
- Optimised battery management system with programmable Auto-Off and efficient power saving LED Daylight 20 W (equals ca. 40 W Halogen).
- Display for power settings in f-stops or ws
- Quick battery change system with safety locking.
- Two outlets; asymmetric 2:1 ratio.
- 6.6 f-stop power range
- Speed outlet; short flash duration up to 1/6000 s
- Automatic head recognising system, the display shows correct power values if the asymmetrical power outlet B is used.
- Auto Dump Function, discharges the unit precisely to the displayed power.
- Fast battery recharging with RQ Multivoltage Charger.

⚠ Before You Start

Ranger Quadra is portable unit which will be frequently used “on location”. Please be aware of the danger, or inconvenience, which it may represent to others for example children.

- Before you travel or transport the unit select the function “Auto Off” This gives a maximum of security and avoids loss of battery power during transport.
- If you travel by air remove the battery box and the fuse.
- Before reconnecting the Battery, insert the 20 A fuse and ensure that the Battery Box is well locked in position.
- Connect the flash cable first to the RQ Head and then to the RQ Power Pack.
- Check all connections again and switch on the unit.

Battery

With a flat battery, the Ranger Quadra may still be used in emergency with the Charger connected. Efficient battery charging will only re-commence when the unit is switched off.

- The charging time is approximately 1.5 h to full charge depending on the battery condition.
- The Battery may be re-charged at any time. “Topping up” will not damage it.
- We suggest a spare Battery Box. Whilst one is in use, the other can recharge.
- To recharge the Battery externally, release the Battery Box, and connect the charger.
- Before changing the Battery Box, ensure that the RQ Charger is disconnected and switch off the unit.
- Connect first the charger with the Battery Box and than connect to the mains.



- Always switch off the unit before connecting or disconnecting Flashheads or the Battery Box!
- Protect Battery contacts against short circuits. Metal and moisture must be kept away from the terminals at all times.
- The ambient temperature whilst charging: min. 0°C (32°F) up to max. 40°C (104°F)
- The ambient temperature whilst the unit is in use: min. -20°C (-4°F) up to max. 40°C (104°F)
- Use only the original RQ-Multivoltage Charger 19284

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.

Security Advise



- Always switch off the unit before connecting or disconnecting Flashheads.
- Flashhead cables must be connected correctly at both ends with the security rings. Use these cables only for Ranger Quadra and the Ranger Quadra S & A Heads.
- The Ranger Quadra Flashheads must be protected in wet conditions.
- Power Pack outlets not in use must be protected with the protection caps.
- Never touch flashtube or the LED when the unit is in use, these components can get quite hot.
- Use only original Elinchrom Accessories.

Flashhead Outlet Sockets

Ranger Quadra offer a 66% for outlet A and 33% for outlet B (2:1) asymmetrical light distribution with two connected RQ Heads.

66% for outlet A and 33% for outlet B

Outlet A: 25 ws – 400 ws (one connected RQ Head) - gives maximum power

Outlet B: 8.2 ws – 132 ws (one connected RQ Head) – gives shortest flash durations

Outlet A & B: 66% A, 34% B for asymmetric light distribution of power 25 ws – 400 ws

- Switch off the unit before connecting or disconnecting Flashheads or the Battery Box!
- Connect the flash cable with the RQ Head and then with the RQ power pack plug A or B or both.
- Lock the flash cables with the security rings before use.
- Power Pack outlets not in use must be protected with the security covers.
- Check all connections again before switching on the unit.



- The metal contact pins can be damaged by high flash voltage arcing, if flash cables are incorrectly fitted or the unit is switched on whilst connecting or disconnecting heads.
- Do not use Heads or Power Packs with burned contacts. Plugs and sockets must be replaced immediately. Please contact the Elinchrom Service Centre!!



Control Panel

Basic Functions

1. On / OFF
2. LED Pilotlight
3. Power setting - 1/10 steps (or Setup touches for programmable function)
4. Power setting + 1/10 steps (or Setup touches for programmable function)

Test

5. Manual flash release
6. Ready indication

Setup

7. Setup Menu
8. Setup Sub Menu

Displays

9. Photocell functions
10. EL-Skyport Remote Control
11. Ready Charge Beep
12. Slow Charge
13. Auto-OFF (The unit shuts downs to save Battery energy. The time delay can be individually programmed)
14. Battery Charge Status
15. "Ws" (Joule) displays the power setting in Wattseconds.
16. Display: for flash power & setup

Outlets / Photocell Sensor

17. Outlet A (100%)
18. Outlet B (33%)
19. Photocell
20. Synchronisation plug for 3.5 mm jack

ON / OFF (1)

EN



Switches the unit on / off. Replace Batteries or connect / disconnect Heads only if the unit is switched off and the RQ charger is disconnected. If the unit cannot be switched off, release the Battery Box and contact your Elinchrom Service centre.

LED Pilotlight (2)



Switches the LED ON / OFF. The Pilotlight on Timer can be programmed in the Menu function "L" from 1 s up to 60 s. To deactivate the Timer for continuous Pilotlight, press this touch more than 3 s.

Note: Continuous Pilotlight will consume Battery energy. The number of flashes will be reduced.



Pilotlight function with Ranger FreeLite / Ranger A & S Flashheads

(Ranger RX Series). To use these Heads the Ranger Quadra Head Adapter Cable 11036 is required.

The Halogen-Pilotlight can be switched on for 15 s or 30 S settings.

By pressing this touch button once, the Halogen lamp switches on for 15 seconds.

By pressing the touch twice in 2 seconds, the Halogen lamp switches off after 30 seconds. To switch off the Halogen lamp sooner, just press the button again (after two seconds).

This Halogen lamp function is only available with FreeLite / Ranger S and A heads.

The total allowed wattage for Ranger Quadra with two Heads is 100 W / 12 V. By using the Halogen Pilotlight the number of flashes out of one charged Battery will be reduced!

Flash Power Setting (3-4)



Using the power up/down buttons the flash power will be changed in 1/10th steps.

The steps can be re-programmed in the Power-Menu "i" from 1/10th – 5/10th or 1 f-stop.

The power is displayed with "P" in f-stop equivalent values or, Watt / sec when the "Ws" function is activated and illuminated. Maximum is 6 / 400 Ws minimum is 0.4 / 8.2 Ws.

By pressing the power touches continuously the quick mode is activated for fast power changing. The electronic will apply the new settings after one second and charges or discharges the unit.

The Auto Dump Function (ADF) discharges the unit to precisely the displayed power.

Frequent auto dumping may cause overheating and activate the charge "cut-off". This risk may be limited or avoided by "open flash" reduction but please note that the consequent re-charging will reduce the total number of "available" flashes.

Open Flash (5)



A test flash may be released manually, when the green LED is illuminated.

If flash power values have been reduced the „Open flash“ can discharge and charge the unit faster to the new settings instead of waiting for the Auto Dump Function, but please note that the consequent re-charging will reduce the total number of available flashes.

The flash release blocks whilst charging, but not during discharging.

Synchronisation with Sync Cable (20)

For synchronisation use the included Sync cable 11088. Connect this cable with the 3.5 mm jack socket of the unit and the PC plug with the camera PC contact. Remove the rubber security cover before use. The Sync voltage is reduced to 5 V to protect your Camera electronics.

Digital Power Display (16)

P 6.0

400

The actual flash power is shown in an f-stop compatible format, or can be changed to Ws. This feature is active when the “Ws” LED is illuminated. In the „Ws“ mode the display shows 8.2 Ws minimum and 400 Ws maximum power.

In the f-stop compatible format the steps can be programmed from 1/10th - 5/10th or in 1 f-stop steps.

The micro electronic controls all power changes precisely. The display shows power settings from minimum 0.4 to maximum 6.0 power. The total power range is 6.6 f-stops.

During charging or discharging the display “flashes”. In case of overheating or malfunction the display shows “ErX”, whereby X stands for the fault number 1-4.

Battery Status Indicator (14)



The green LED's indicate the actual Battery charge status. At full charge both LED's are illuminated. At 50% charge, only one LED is illuminated. At approximately 10% charge the LED starts flashing, with about 10 flashes at full power in fast recycle mode available before the “Auto Battery Save” system shuts down the Ranger Quadra after 4 Beeps. The “intelligent” electronics saves the battery from over discharging. With only 10% battery charge, the units switches automatically into slow charge mode.

Menu / Setup (7)



This touch activates the Menu setup functions. After 2-5 s (see setup for “Auto Return”) if no other command has been applied the unit returns to normal mode and the display shows the flash power setting. All changes are automatically stored.

Sub Menu (8)



The Sub Menu touch enables to the access additional features off the main menu.

Photocell Status LED (9)



When switched on, the Ranger Quadra can be remotely triggered by another flash unit! The Photocell is specially designed to work under ambient light situations, but direct sunlight (or other direct strong lights) may reduce the sensitivity of the Photocell.

LED off: Photocell is deactivated

LED on: Photocell is activated, the unit can be released remotely by another flash unit.

LED flashes: The Photocell is in pre flash mode. This function enables to synchronise cameras with the activated Anti-Red-Eye pre-flash function. Details

Radio Remote Control EL-Skyport / Remote Control & Synchronisation (10)



The integrated EL-Skyport Transceiver offers:

- Wireless flash triggering / synchronisation
- Wireless control of the flash power setting
- Wireless on/off control of the LED Pilotlight
- Programmable 4 Groups
- Programmable 8 Frequency channels, to prevent interference with other wireless systems.

To activate and use these functions, the optional EL-Skyport Transmitter 19351 is required.

EL-Skyport Status LED

LED off: The EL-Skyport wireless system is deactivated.

LED on: The EL-Skyport wireless system is ready to use.



Frequency channel and Group settings must be identical between Transmitter and Transceiver. Only the Elinchrom Skyport Transmitter is compatible. In case of signal interference, try a different frequency.

Ready Charge BEEP (11)



The BEEP is active when the LED is illuminated.

1 x Beep: The unit is ready for operation.

3 x Beeps: The unit is overheated (or the charge circuit might be defective). The display will show "Er1 ...4"

4 x Beeps: The Auto-OFF function is active and the unit shuts down or the Battery charge level is too low.

Slow Charge (12)



The green LED indicates that the slow function is selected. The "Slow" mode increases the number of flashes by approximately 40 %, from 110 in "Fast" recycle mode to 150 flashes.

The slow recycle mode also increases the battery life, but the recycling time is extended!

Auto-OFF (13)



This function, when active, shuts down the Ranger Quadra, when the unit is not in use.

The Timer can be individually programmed and is a useful feature to save Battery power.

Any re-use of the unit restarts the timer, before shutting down. 4 Beeps, if the function is active indicate that the unit shuts down.

Menu Functions

Ranger Quadra offers many new individual programmable features. This chapter shows how to access and customise the exciting new options.

All functions are accessible with the following touch buttons:



Menu: Press this button multiple times to select the function you want to setup.



Sub Menu: Press this button to access preselected functions and further sub functions.



Power UP: Select higher values.



Power Down: Select lower values.

If after 2-5 seconds no other settings have been applied the unit returns to standard mode and the display shows the flash power setting. All changes applied changes are stored automatically.

Reset to manufacturers default settings:

1. Switch the Ranger Quadra OFF.
2. Press power up and down buttons together at the same time and switch the unit ON again by pressing the two buttons.
3. Release the buttons soon the unit is switched on.
4. Done, the unit is back to standard settings.

Ranger Quadra Basic-Menus

Photocell / Elinchrom Eye-Cell (C/CP)

- OFF / ON / EYE-CELL
- Eye-Cell Setup
- Eye-Cell Pre-Flash Time Frame settings
- Eye-Cell Pre-Flash Block Time settings

Integrated Wireless System / EL-Skyport Transceiver (r)

- OFF / ON
- Group 1-4 settings
- Frequency Channel 1-8 settings

Charge Ready Beep (A)

- OFF / ON
- Charge Ready Beep -On- timer settings

Slow Charge (SL)

- OFF / ON

Auto-OFF Function (Ao)

- OFF / ON

Flash Power Display (dJ)

- Displays the flash power in Ws or in f-stop Elinchrom format.

LED-Pilotlight Shut Down Setting (L)

- Programmable Pilotlight Shut Down- settings

Flash Power Steps Per Push (i)

- Change flash power in 1/10th – 5/10th or 1 f-stop steps

Menu Auto Return (Ar)

- Programmable delay time until the unit returns from the “Menu” mode to normal “Flash Power Display” mode. All programmed features are automatically stored

Photocell – Basic Functions

Press 1x



Scroll to select function



888

Photocelle OFF

888

Photocelle ON

CP8

Photocell Pre-Flash Mode (shows the number of received camera flashes when the camera on flash is set to Anti-Red-Eye mode) To change values, please follow instructions below.

Photocell / Eye-Cell Setup - Anti-Red-Eye Pre-Flash Learning Mode

Press 1x



Press 1x



Scroll to select function



2P0

Automatic pre-flash setup, Learning Mode. Make a test exposure and release camera flashes with activated Anti-Red-Eye function. The Ranger Quadra Photocell will recognize all flashes and stores this value. The Pre-Flash function is now active

2P1
^
2P7

Photocell / Eye-Cell setup, Preset Mode

Special Photocell – Eye-Cell Setup (manual pre-flash configuration)

Change only if Photocell cannot identify camera pre-flashes. Advanced users only!

Photocell / Eye-Cell - Pre-Flash Time Frame Setting - Advanced users only!

Press 1x



Press 2x



Scroll to change value



288
^
268

ct. is the time window of all released anti red-eye flashes incl. the main flash. Change setting only when the pre-flash procedure is longer than the manufacturer settings. Set the value ct. between 1 and 7 to ensure that all pre-flashes including the main flash are inside the time frame
Standard value = 4

Photocell / Eye-Cell - Pre-Flash Block Time Setting - Advanced users only!

Press 1x



Press 3x



Scroll to change value



280
^
267

Pre-Flash Block -Time:
to set the minimum delay between each pre-flash. (Normally only for LED Anti-Red-Eye cameras) Standard value = 1

Radio Remote Control / EL-Skyport Basic Functions

Requires the optional EL-Skyport Transmitter 19351

EL-Skyport Basic Functions				
Press 2x	Scroll to select function		280	EL-Skyport Transceiver OFF
	 		281	EL-Skyport Transceiver ON
			282	Special Function / Currently not available

Group Setting				
Press 2x	Press 1x	Scroll to select workgroup	681	To select 4 workgroups – adjusting and synchronising individual units or groups. The optional EL-Skyport Transmitters is required to remote and trigger Ranger Quadra Standard value =1 (Group 1)
		 	682	
			683	
			684	

Frequency Channel Setup				
Press 2x	Press 2x	Scroll to select frequency channel	F881 ^ F880	Select between 8 Frequency channels – for separate working groups or in case of interference with other wireless systems The optional EL-Skyport Transmitters is required to remote and trigger Ranger Quadra Standard value =1 (Frequency Channel 1)
		 		

Frequency channel setup between Ranger Quadra und EL-Skyport Transmitter
Note: Frequency channel settings must be the same between Transmitter and Transceiver.

Frequency channel Ranger Quadra	EL-Skyport Transmitter Setup
F881	
F882	
F883	
F884	
F885	
F886	
F887	
F888	

Charge Ready Beep – Basic Function				
Press 3x	Scroll to select function		A80	Charge Ready Beep OFF
	 		A81	Charge Ready Beep ON

Charge Ready Beep -ON- Timer Setting

Press 3x 	Press 1x 	Scroll to change value  		BEEP -ON- time Setting, chose between value 1 - 7 Standard value = 3
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EN

Fast / Slow Recycling

Press 4x 	Scroll to select function  		Fast recycling Slow recycling / About 40% more flashes out of one Battery charge. The slow charge mode also increases the battery lifetime, but the recharging time is doubled!
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Auto-OFF – Basic Setup

Press 5x 	Scroll to change value  		“Auto-OFF” OFF Note: The Battery will be discharged continuously. At minimum Battery charge level the unit shuts down to prevent Battery damages by over-discharging! “Auto-OFF” ON The Ranger Quadra display shows the minutes before the unit shuts down when not in use. Any re-use of the unit restarts the waiting time, before shutting down. The Auto-OFF function saves battery power! 4 Beeps (if the function is active) indicate that the unit shuts down.
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Auto-OFF Timer Setup

Press 5x 	Press 1x 	Scroll to change value  		Set the Timer shut down time between 1 to 60 minutes
--	---	---	---	--

Display in Ws / Joule or F-stop steps

Press 6x 	Scroll to select function  		Display shows flash power in f-stop Elnchrom format. Display shows flash power in Ws / Joule The Symbol “Ws” LED lights up and indicates that this function is active
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Pilotlight LED -ON- Time

Press 7x 	Scroll to change value  	 	Set the Pilotlight LED Timer between 1..60 seconds
Press more than 3 s 			To deactivate the Timer for continuous Pilotlight, press this touch more than 3 s. Note: Continuous Pilotlight will consume Battery energy. The number of flashes will be reduced

Special Functions

Flash power steps per push

Press 8x 	Scroll to change value  	     	1/10 flash power steps per push Standard setting 2/10 flash power steps per push 3/10 flash power steps per push 4/10 flash power steps per push 5/10 flash power steps per push 1/1 flash power steps per push
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Auto Return from Menu to normal display mode

Press 8x 	Press 1x 	Scroll to change value  	 	After approximately 2 seconds the unit returns from the "Setup Menu" to normal display mode. All configurations are stored automatically. After approximately 5 seconds the unit returns from the "Setup Menu" to normal display mode. All configurations are stored automatically.
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Battery Charging / Fuses

Use only the original RQ-Multivoltage Charger 19284. Other Chargers may force technical problems. The RQ Charger indicates the charging mode with coloured LED's:

- Yellow:** The Battery is in recharge mode, 1.5 h to full charge depending on the Battery condition.
Green: The Battery is recharged; the Charger can be connected whilst the unit is in use.

EN



The 12 V / 3.6 A Battery can be recharged from any charge level, there is no Memory-Effect.

The number of flashes may vary from Battery to Battery (due to aging, recycling speed etc.) Even new Batteries may vary; N.B. The full capacity of the Battery is available only after some charge cycles.

Used batteries may need to be recycled. Check your local regulations!

Use only the original Elinchrom Ranger Quadra Battery.

Fuse

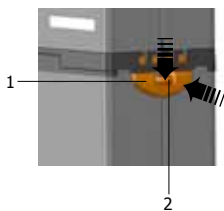
The Battery and the Ranger Quadra electronic is secured with an ATO 20 A fuse. The unit and the LED Pilotlight are electronically protected against overheating and cut-outs. The Battery topside includes transport pockets for two ATO 20 A fuses.

N.B. Remove the Battery fuse when you travel by air.



1. Battery contacts
2. Transport pocket for spare fuses
3. Battery Fuse ATO 20 A
4. Battery charge plug

Battery Exchange



1. Push Button
2. Security Lock

- Place the Ranger Quadra pack on a flat, dry and clean surface.
- Simultaneously press the central security locks down before pressing on the outer releases to separate the battery unit.
- Place the new, charged Battery Box on a clean surface.
- Place the Ranger Quadra housing over the Battery Box.
- Press smoothly down on the Ranger Quadra pack until you hear two clicks (left / right) activating the locking mechanism.
- Check, that the Battery Box is well connected on both sides of the unit!

Unit does not switch ON

- Check if the ATO 20 A fuse is fitted in the Battery Box, exchange if the fuse is faulty.
- Check if the Battery Box is correctly attached.

Unit controls do not respond and cannot be switched off

- Disconnect all Flashhead cables.
- Disconnect the Battery Box.
- Disconnect the RQ Charger, if connected.
- Refit the Battery Box and switch the unit ON.
- If the unit shows this fault again, please contact your Elinchrom Service Centre.

The display flashes, no flash can be released

- Switch the unit OFF.
- Check if all Flashhead cables are correctly fitted.
- Check eventually another RQ Flashhead or flash cable.
- If the unit continues to show this fault, please contact your Elinchrom Service Centre.

The display shows:

- | | |
|----|---|
| E1 | <ul style="list-style-type: none">• Switch the unit OFF and wait 5 minutes.• Switch the unit ON again.• If the unit shows this fault again, please contact your Elinchrom Service Centre. |
| E2 | <ul style="list-style-type: none">• The unit is overheated due to workload or high ambient temperature. Avoid direct sunlight.• Switch the unit OFF and allow to cool down for approximately 15 minutes (depending on the ambient temperature). Switch ON again .• If the unit shows "Er 2 again, please contact your Elinchrom Service Centre. |
| E3 | <ul style="list-style-type: none">• Indicates an internal fault in the discharge circuit; "Auto Dump Function" .• Switch the unit OFF and ON again.• Release a „Test Flash“ to check the charge circuitry.• This fault should be controlled at your Elinchrom Service Centre. |
| E4 | <ul style="list-style-type: none">• Indicates an internal fault in the charge circuit.• Switch the unit OFF.• Ensure the Battery Box is correctly attached to the unit and fuse ATO 20 is fitted.• If the unit shows this fault again, please contact your Elinchrom Service Centre. |

The unit shuts down shortly after switching on, even though the Battery is fully charged

- Check if the ATO 20 A fuse is placed in the Battery Box, exchange if the fuse is faulty.
- Check if the Battery Box is correctly fitted.
- Maybe the Battery is faulty, try another Battery Box.
- Check the Ranger Quadra Charger. The GREEN, RED or YELLOW LED should be active if the RQ Charger is connected to the Battery and the mains.
- In case no LED light up replace, the RQ Charger and recharge the Battery Box again.
- If the unit shows this fault again, please contact your Elinchrom Service Centre.

Specifications	Ranger Quadra Asymmetric	
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Max. flash power / only outlet B	J (Ws)	400 / 132
Flash power range	J (Ws)	8.2 - 400
Flash power range outlet A	J (Ws)	25 - 400
Flash power range outlet B	J (Ws)	8.2 - 132
Flash power range outlet A	F-stop	2.0 - 6.0
Flash power range outlet B	F-stop	0.4 - 4.4
F-stop, 2m, 100 ISO, RQ 13.5 cm Refl. 70°, Ranger Quadra S-Head	F-stop	16.5
F-stop, 2m, 100 ISO, RQ 18 cm Refl. 55°, Ranger Quadra S-Head	F-stop	22.4
F-stop, 2m, 100 ISO, HP 26 cm Refl. 48° / RQ - EL Reflector Adapter	F-stop	32.4
Recycling 100% fast at min. / max. power (Outlet A or A+B)	s	0.5 / 2.2
Recycling 100% slow at min. / max. power (Outlet A or A+B)	s	1 / 4
Recycling 33% fast at min. / max. power (Outlet B)	s	0.25 / 0.8
Recycling 33% slow at min. / max. power (Outlet B)	s	0.5 / 1.5
Flash duration at t 0,5, Ranger Quadra-S Flashhead	Outlet A (100%) Outlet B (33%) Outlet A+B (100%)	s 1/1300 1/3200 1/1800
Flash duration at t 0,5, Ranger Q-A Flashhead	Outlet A (100%) Outlet B (33%) Outlet A+B (100%)	s 1/3000 1/6000 1/4000
Flashes out of one charged Battery at:	min. power, slow recycling min. power, fast recycling max. power, slow recycling max. power, fast recycling	- 4000 3000 150 110
LED Pilotlight	W	20 W
Sync Voltage	VDC	5
EL- Skyport Receiver inside		yes
Radio interference suppressiv	CE-IEC 491 EN 60 555 - EN 61 000 - 4 - 2/3/4/5	conform
Stabilisation	V	+/- 2V
Battery (lead-gel)	V/Ah	12V / 3.6 Ah
Battery recharge time, approx.	h	1.5
Dimensions (Ranger Quadra with Battery Box)	cm	15 x 8.5 x 21
Weight:	Ranger Quadra Generator with Battery Box Battery Box Ranger Quadra S & A Head Flash cable (2.5m)	3 1.6 kg 0.25 0.4

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

