

KELDAN

Advanced Lighting Technology

KELDAN RC1 Remote Control

Operating Instructions



For Professionals Who Know The Difference.

INTRODUCTION

The KELDAN RC1 remote control is based on ultrasonic technology. It has two brightness channels. Each channel can address an infinite number of lights simultaneously. A light can be paired with any of the two channels with a pairing mode.

The range under water is about 50 meters. The RC1 remote control can also operate in air, but the range will be limited to about 1-2 meters.

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TECHNICAL DATA

1. MOUNTING OPTIONS

The ball adapter of the RC1 remote control can be attached on the top or bottom side.

By using a triple clamp, it can be easily attached on the top or on the side of your camera housing.

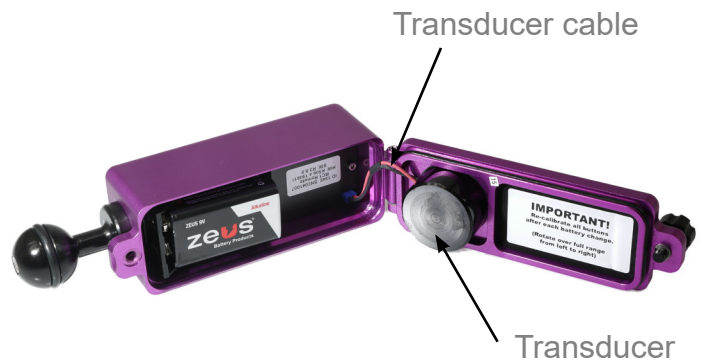


2. BATTERY CHANGE

The RC1 remote control operates on a 9V block battery.

- We suggest using lithium or alkaline type cells.
- Due to their poor performance, we do not recommend zinc carbon cells.

When opening the lid, it is important to ensure that no water gets into the housing. The RC1 remote control should be dry and free of waterdrops before opening.



Take care that the transducer cable is not squeezed when closing the lid.

IMPORTANT: RECALIBRATING THE KNOBS AFTER BATTERY CHANGE

If the RC battery has been changed, the knobs must be re-calibrated.

1. Calibrate all knobs by turning them twice all the way from limit to limit.
2. When done, you are ready to use the RC1 remote control again. A new pairing is not necessary.

3. PAIRING

A pairing is needed to pair a light with the RC1 remote control.

Each controller has a unique identifier which is sent along with each command. This allows to use multiple remote controllers at the same location without interference.

The pairing procedure can be executed in air or in water. (Note that the range in air is limited to about 1-2 meters.)

Pairing procedure :

1. Switch the RC1 remote control to PAIR mode.
2. Switch your light to remote mode, now pairing is possible during the next 10 seconds.
3. Turn the brightness knob of whichever channel you want the light to be paired to.
4. The light confirms a successful pairing with short flashes.

The light permanently remembers the pairing information. Only a new pairing overwrites the stored pairing information.

4. MAIN FUNCTIONS

Range:

The RC1 remote control has eight RANGE steps, ascending from left to right. With the RANGE knob, the transmit power of the RC1 remote control can be controlled. The shortest range setting is working well for a distance of a few meters. With the highest range a distance of 50m or more is possible.

Brightness:

1. Set the XR compact light to remote mode.
2. Move the brightness knob on the RC1 remote control to the desired level.
3. The 9 brightness levels on the RC1 remote control correspond to the nine levels which can be set manually on the light.
4. The green LED on the remote confirms sending of the command.

If the light does not respond:

- Increase the RANGE step.
- Check if the light is paired with the selected channel.

Global ON/OFF:

1. When the RANGE knob is turned to OFF, all lights which are paired with the RC1 remote control will be turned off.
2. When the RANGE knob is turned from OFF to any RANGE level, all lights which are paired with the RC1 remote control will return to the previous brightness level.



5. LED STATES

Green  Transmit OK

Yellow  Transmit OK but on low battery

Red  Transmit with reduced range, change battery

Blue  Pairing active

6. MAINTENANCE

- Rinse with fresh water after each use.
- Do not use sharp tools to remove O-Ring.
- Grease O-ring frequently with silicone grease.
- Remove the 9V battery if the device is not used for several month.

7. WARRANTY

RC1 remote control carries a two-year warranty after purchase (proof of purchase date required). The warranty is limited to material defects which occur when correctly handling the product. The warranty does not cover the battery.

KELDAN® warranty coverage is void for defects as a result of improper use.

8. LIABILITY

KELDAN® declines all responsibility for damages arising from any improper use of the RC1 remote control or as incurred by a third person.

TECHNICAL DATA

Article #	1346
Battery	9V block battery 48.5mm x 26.2mm x 17mm (ANSI 1604 / IEC = 6LR61) 1604LC (Lithium) 1604A (Alkaline)
Dimensions	160x70x40mm
Weight (on air)	370 gr
Weight (in water)	140 gr
Range	50 Meter approx.
Ultrasonic Frequency Range	27'000 Hz - 37'000 Hz

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