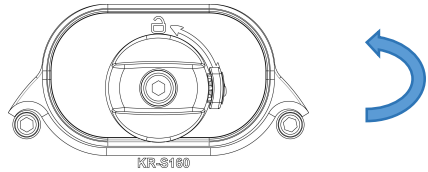## ◆ To charge the battery

1. To charge the battery, use the USB-C PD charger included.
2. When the battery begins to charge the indicator on the battery will be RED.
3. When the battery is fully charged the indicator on the battery will be BLUE.
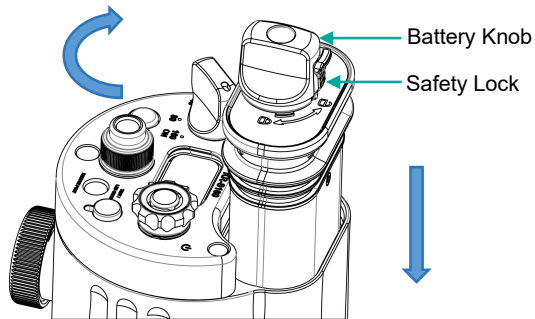
◆ To install the battery

1. Push out the red safety lock,at the same time rorate the battery knob as counter-clockwise,then take the battery pack out.

2. Put the battery pack as below shown (Correct direction) to the body,press the battery,at the same time rorate the battery knob as clockwise.

Noted:Make sure that the safety lock has returned to the locked position.(It is securely locked when you hear a "click")

Battery Knob

Safety Lock

◆ General maintenance

There are two O-rings in the battery pack. Use silicone to keep the O-rings well lubricated. It is important to lubricate the O-rings if the strobe has not been used for a period of time, or if the O-ring is hard. Only use enough lubrication to make the O-ring shine, too much can attract dirt. If the O-ring is damaged, broken, or deformed it should be replaced with the spare included with your strobe.

NOTE: Do not use a sharp tool to remove the O-ring.

◆ Warnings

1. Only use Li-ion battery pack provided by the manufacturer.
2. Do not open the battery pack when the strobe is in the water.
3. If the strobe will not be used for a long period of time, the battery pack should be removed.
Failure to comply with these warnings may result in damage to the strobe and nullify the warranty.

◆ Warranty

Kraken provides a warranty against manufacturer defects for 1 year starting from the date of purchase. Manufacturer defects occurring within 15 days of the date of purchase will result in an exchange of product at the vendor. All other manufacturer defects occurring within 1 year of the date of purchase will be repaired at no cost. Proof of purchase is required for warranty support. The warranty does not cover failures or defects resulting from misuse (e.g., modification, damage) natural disasters, or battery issues， including incorrect battery installation.
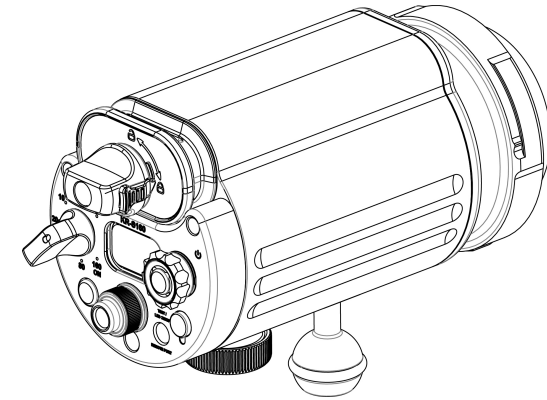
◆ Trouble shooting strobe issues

Before returning the strobe to the vendor, please troubleshoot by doing the following:

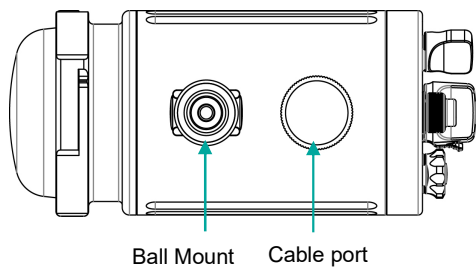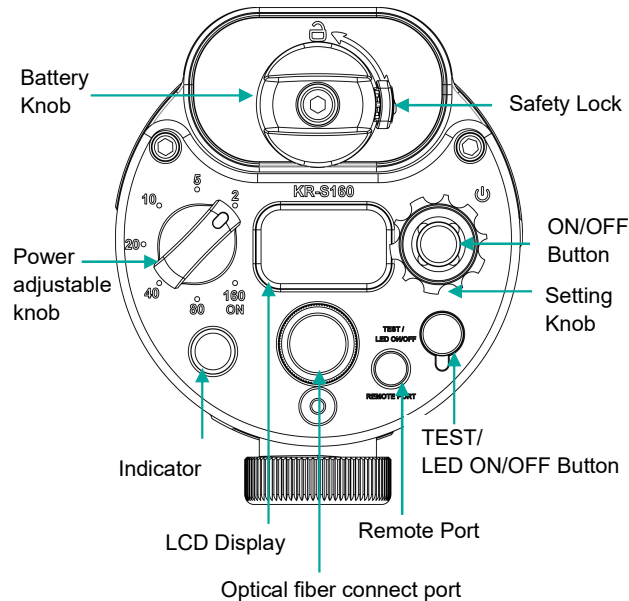| Problem	Possible Solution
The strobe does not turn on	* Ensure the battery pack is charged * Ensure the battery pack is tightly screwed to the light head
Moisture or water inside the strobe	Check the O-rings in the battery pack to ensure there is no debris or damage that could prevent a proper seal

KR-S160

Please read the manually carefully before using the strobe

◆ Overview

The KR-S160 is a metal bodied diving strobe with Spot LED (500 Lumens).

Battery Knob
Safety Lock
Power adjustable knob
ON/OFF Button
Setting Knob
TEST/ LED ON/OFF Button
Indicator
Remote Port
LCD Display
Optical fiber connect port

Ball Mount
Cable port

◆ Accessories included

Li-ion battery pack x 1	Spare O-ring x 2
PD Charger x 1	Protection O-Ring cap x 1
USBType C cable x 1	White Diffuser x 1pcs
YS Mount x 1	Blue Diffuser x 1pcs
Ball Mount x 1	Optical cable port cover x 1

Indicator:

Solid Green	Red	Blink Green
Ready	Charging	Standby

◆ Specifications

Battery	2 x 21700 Li-ion battery pack
Power	160Ws
Color temperature	5500K
Mode	M, Multi
Photoc	S1,S2
Guide Number	16 (1 Meter & ISO100)
Recycle time	Full power/1.6 second
Flash full power (160Ws)	Approx. 400
Spot LED Light power	500 lumens & 15 degrees
Spot LED power level	100%,50%,0%
Depth Rating	100m / 330ft

◆ To operate the strobe

Turning the strobe ON:

Press and hold the ON/OFF button for **TWO** second. The LCD display will illuminate, and show " TURN POWER TO 160 TO TURN ON",then switch the power adjustable knob (Arrow mark) to ON /160Ws.

Changing orientation of the LCD display:

When turning on the strobe, the Kraken Sports logo will initially display on the LCD. While the logo is displayed, pressing the ON/OFF button once again will trigger the option to change the display orientation. Rotate the setting knob to highlight the direction you would like to text to display. Press and hold the ON/OFF button to confirm your selection and turn the strobe on.

Turning the strobe OFF:

Press and hold the ON/OFF button for **TWO** second.

Turning the Spot LED ON/OFF:

Press and immediately release the LED button to reduce or increase the brightness(100%-50%-0%-100%).

Turning the TEST function:

Press and hold the ON/OFF button for **ONE** second,strobe will be flash one time as current adjustable power level.

Power Level:

7 Levels: Rorate the power adjustable knob.
9 Levels minor adjustment: Rorate the setting knob.

7 Levels	9 Levels minor adjustment
2Ws,5Ws.10Ws,20Ws, 40Ws,80Ws,160Ws	(-9,-8,-7,-6,-5,-4,-3,-2,- 1,0,+1,+2,+3,+4,+5,+6,+7,+8,+9)

Photoc :S1,S2/Mode: M(Manual),Multi

1.When strobe is turned on,quickly press ON/OFF button three time.
2.Press and immediately release ON/OFF button: Mode-Photoc - Mode.
3.Quickly press ON/OFF button three time, saved setting and exit.

Photoc:S1,S2

Rorate the setting Knob: S1-S2-S1

Mode: M(Manual),Multi

Rorate the setting Knob: M-Multi-M

Mode: Multi

1.Press and immediately release the ON/OFF button: HZ-Flash times-HZ.
2.Rorate the setting Knob: Changed the Flash times.
3.Rorate the setting Knob: Changed the Flash frequency (HZ).
4.Setting HZ and Flash times,waiting 3 seconds finished.

Multi	Flash frequency (HZ)	Flash times
40Ws	0.1,0.3,0.5,1,2,5	1,2,3
20Ws	0.1,0.3,0.5,1,2,5,10	1,2,3,4,5
10Ws	0.1,0.3,0.5,1,2,5,10	1,2,3,4,5,6,7,8,9,10
5Ws	0.1,0.3,0.5,1,2,5,10	1,2,3,4,5,6,7,8,9,10
2Ws	0.1,0.3,0.5,1,2,5,10	1,2,3,4,5,6,7,8,9,10

Light Control Flash/Photoc (S1,S2)

S1 Secondary Optic Triggering

Choose S1 light control synchronous flash,flash KR-S160 can be used as auxiliary Light,create a variety of lighting effects,suitable for manual flash environment.It will trigger the flash synchronously with the first flash of the main flash.The effect is the same as using the wireless flash guide,and the response is sensitive.

S2 Secondary Optic Triggering with Anti-pre flash

Select S2 light control to prevent pre flash,flash KR-S160 can be used as auxiliary light,suitable for TTL automatic flash shooting environment.With high-energy anti pre flash function,when using the camera with a pre flash function,S2 light control pre flash function is used to achieven synchronous shooting.At the same time,it will trigger the flash synchronously with the second flash of the main flash with TTL function,that is,the second light control flash.