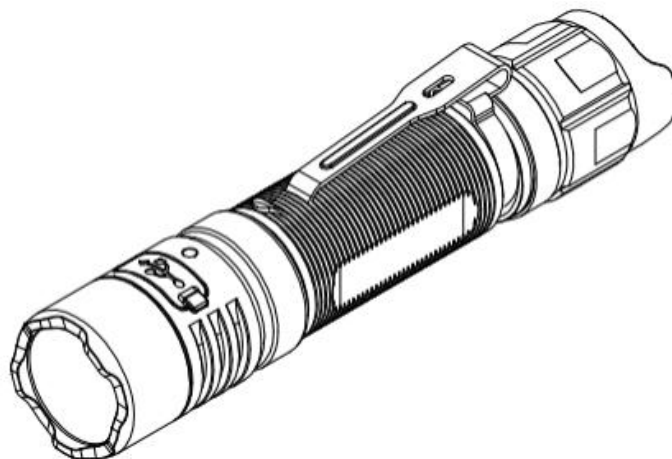


Sofirn SF16 Manual



Thank you for purchasing this Sofirn product.

send email to sofirnlight@gmail.com

if you meet any issues.

The Sofirn SF16 is a UV flashlight designed for seeing and observing things that are normally invisible. There are 3 different output levels for you to choose from: Low→Medium→High. Powerful enough to deliver a maximum output of 875mw light, helping you inspect the pet urine stains in seconds and no more cleaning the carpets blindly. A good family guardian, taking care of the cleanliness and your health.

ANSI/NEMA FL1 Chart

Modes	Low	Medium	High
Optical Power	126mw	440mw	875mw
Runtime	31h	14.5h	8h
WATER RESISTANCE	IPX-8 (not for diving)		
NOTE	The above mentioned parameters are based on tests according to international flashlight testing standards using one 18650 battery. Results may vary with different battery or under different environmental conditions.		

Specifications

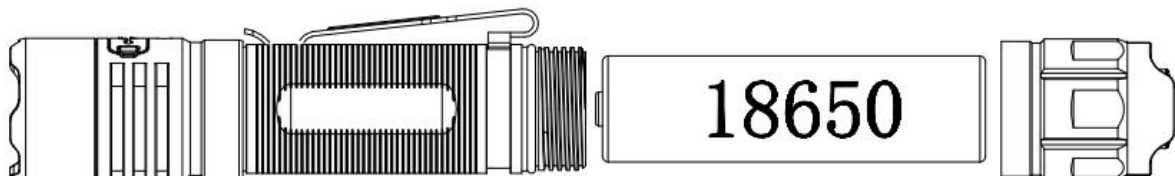
- ❖ Emitter: High-powered LED
- ❖ Battery Option: 1×18650 Li-ion battery
- ❖ Working Voltage: 3V-4.2V
- ❖ Maximum Charging Current: 2A
- ❖ USB Type-C charging
- ❖ Tactical Tail Switch
- ❖ Material: AL6061-T6 aluminium alloy
- ❖ Water Resistance: IPX8 waterproof
- ❖ Size: 25mm (head diameter) *122.7mm (length)
- ❖ Weight: 67g(without battery)
- ❖ Reverse polarity protection, to protect from improper battery insertion.
- ❖ Low Voltage Protection: Red indicator flashes when the battery voltage is low, indicating that the remaining battery power is poor. The flashlight turns off automatically to protect the battery from being discharged when the battery voltage is lower than 2.8V.

Safety Instructions

- ❖ SF16 is a UV flashlight. Please avoid exposing the eyes or skin of people or animals to it. And please put it away from children and do not allow them to play with it.
- ❖ Pay close attention to the proper installation of the battery. Always check that the positive end of the battery faces the flashlight's head.
- ❖ Please unscrew the light body half a turn to avoid unwanted activation during transport. It also prevents the battery from draining when the flashlight is not used for a long period.
- ❖ Please get the SF16 recharged in time when it shuts off automatically. Or click the tail switch to make it in the off state.

Battery Option

Battery Type	Dimension & Quantity
Rechargeable lithium-ion battery	1 x 18650 battery



Battery Installation

Before first use, please unscrew the tail cap and remove the insulating paper. If the battery needs to be replaced, make sure that the positive end of the new battery faces the flashlight head when you put it in.

Battery Level Indicator

After turning on the SF16, the indicator will display the power status for 5 seconds.

Green Constant On = Saturated (75%-100%)

Green Flashes = Sufficient (50%-75%)

Red Constant On = Poor (25%-50%)

Red Flashes = Critical (0%-25%)

Note: The red indicator keeps flashing when the battery level is lower than 25%.

Light Indicator When Charging

Red = Charging

Green = Fully Charged

Note: Please turn the flashlight off when charging.

General Operation

ON/OFF: Single click the tail switch to turn the SF16 on and enter the last used mode. Single click again to turn it off.

OUTPUT SELECTION: There are three different power levels. When the flashlight is on, tap the tail switch to cycle through: Low→Medium→High.

FAQ

Q1: why the flashlight only works while plugged in?

A1: Please unscrew the tail cap and remove the insulating paper, screw the tail cap back on and try again.

Q2: Does it accept C-C charging cable?

A2: Yes, but C-C charging cable is not included. Please know that some charging cables have fat typeC which won't fit the SF16 charging port.

Q3: Does it only get recharged while the tail switch is turned off?

A3: No. It can be recharged when the tail switch is turned on/off. But the charging time varies. 2 hours when the tail switch is on while 3 hours when off.

Troubleshooting and Maintenance

- ❖ Disassembling the sealed head can damage the flashlight and voids the warranty.
- ❖ Sofirn, Ltd. recommends using high-quality brand batteries. Damage by battery leakage voids the warranty.
- ❖ Remove the battery if the flashlight will not be used for an extended period of time.
- ❖ Every 6 months threads should be wiped with a clean cloth followed by a thin layer of silicone grease.
- ❖ To maintain a proper level of waterproofness, replace worn-out o-rings with an approved spare.

If the above methods do not work please refer to the warranty policy before contacting your authorized distributor.

Sofirn Limited:

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E-mail: us@sofirnlight.com sofirnlight@gmail.com

Please contact us if you have any questions.

If your product is defective please contact us for replacement within warranty period.

Manufacturer: Shenzhenshi Jinba Technology Co.,Ltd

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