# SPERAS

**TH1**

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User manual

SPERAS TH1 is a high performance, focus adjustable LED flashlight with an OSRAM LED and an advanced circuit design. The max beam distance is 963 meters with the 50mm optical lens. The new innovative quiet tail switch enables the user to use the TH1 effectively in a hunting environment. It has a memory mode function and very fast mode changing capabilities. An added benefit of the new remote pressure switch (RM03), is that the user will be able to dim the brightness via the switch. With unbeatable performance and a handheld size, it is ideal for the professional hunters, search and rescue, or other outdoor lighting requirements.

## Features

- Compact, handheld size, with a max beam distance of 963 meters.
- A professional hunting flashlight that easily conceals with an innovative quiet tail switch.
- Adjustable focus so you can adjust from a flood beam to spot beam allowing you to focus the exact required light on your target.
- Interchangeable LED modules enable you to easily change the colour.
- Optional interchangeable lens filters that enable you to change the beam colour.
- Dimming can be adjusted via the remote pressure switch giving the user full control over the brightness setting
- Runs on 1 *18650 Rechargeable battery.
- The TH1 has Integrated bunker heat dissipation and excellent circuit with no stroboscopic.
- Intelligent temperature control system(ITS); Accurate battery capacity detection; Over discharge protection and Reverse polarity protection.
- High-strength aerospace aluminum alloy body with CNC technology. Premium TYPE III hard anodized anti-abrasive finish for extreme durability.

| FL 1 STANDARD | OSRAM LED White Specification | | | |
|---|---|---|---|---|
| | High | Medium | Low | SOS |
| Flood Beam | 364LM | 95LM | 4LM | 95LM |
| Spot Beam | 247LM | 65LM | 3LM | 65LM |
| Runtime | 1.8h | 6h | 147h | -- |
| Beam Intensity | 232,000cd | 59,500cd | 2,505cd | -- |
| Beam Distance | 963m | 487m | 100m | -- |
| LED | OSRAM LED White | | | |
| Impact Distance | 1.5m | | | |
| Waterproof | IPX-6 | | | |

| FL 1 STANDARD | OSRAM LED Red Specification | | | |
|---|---|---|---|---|
| | High | Medium | Low | SOS |
| Flood Beam | 135LM | 35LM | 1.5LM | 35LM |
| Spot Beam | 93LM | 23LM | 1LM | 23LM |
| Runtime | 1.8h | 6h | 130h | -- |
| Beam Intensity | 114,250cd | 30,750cd | 1,337cd | -- |
| Beam Distance | 676m | 351m | 73m | -- |
| LED | OSRAM LED Red | | | |
| Impact Distance | 1.5m | | | |
| Waterproof | IPX-6 | | | |

| FL 1 STANDARD | CREE LED Green Specification | | | |
|---|---|---|---|---|
| | High | Medium | Low | SOS |
| Flood Beam | 98LM | 35LM | 5LM | 35LM |
| Spot Beam | 70LM | 24LM | 3LM | 24LM |
| Runtime | 2.9h | 14h | 147h | -- |
| Beam Intensity | 44,250cd | 14,250cd | 2,258cd | -- |
| Beam Distance | 421m | 239m | 95m | -- |
| LED | CREE LED Green | | | |
| Impact Distance | 1.5m | | | |
| Waterproof | IPX-6 | | | |

## Specifications

- Working Voltage:3-4.2V
- Optical Lens:50mm Lens
- Compatible battery:1*18650 battery
- Material: Made out of aircraft grade aluminum and hard anodized III to resist scratching
- Buttons:Electrical Tail button
- Length of spot beam:146mm/5.75inch
- Length of flood beam: 155mm/6.10 inch
- Head dimension: 54mm/2.12 inch
- Body dimension: 25.4mm/1 inch
- Net weight: 228g/8.04oz(without battery)

**Note**: The above date has been measured in accordance with international flashlight testing standards ANSI/NEMA FL 1 using one SPERAS 18650 3400MAH(model:S34) Power lithium battery under laboratory conditions. The data may vary slightly during actual use due to battery type, individual usage habits and environmental factors.
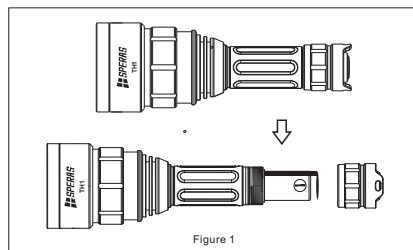
## Inside the box

1*TH1 LED flashlight
1*Lanyard
2*O-rings
1*manual

## Optional accessories

1*RM03 Remote Pressure Switch
1*18650 battery
1*Red filter
1*Green filter
1*OSRAM LED White module
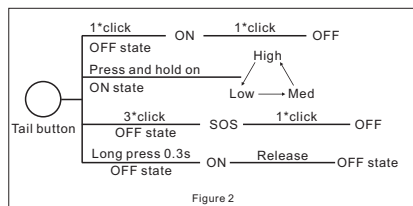1*OSRAM LED Red module
1*CREE LED Green Module

## Operating Instructions

Correctly install the battery. (Please refer to figure 1)
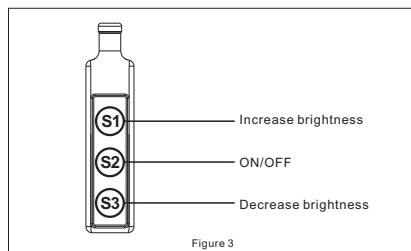


Figure 1

**Operation (Please refer to figure 2)**
a. ON/OFF: In the OFF state, click the tail button to turn on the flashlight (enter the memory mode). Click again to turn off the flashlight.
b. Change mode: In ON state, press and hold on the tail button. This will circle between the modes from low, medium to high.(Please note that mode will change every 0.5 second to next mode). Release the button to activate the current mode.
c. SOS: In the OFF state, three quick clicks will enter the SOS mode; click again to return the OFF state again.
d. In the OFF state, long press (0.3 seconds), to turn on the flashlight (enter the memory mode). Release button, will return the OFF state again.



Figure 2

**Operation of the RM03 Remote Pressure Switch (Optional Accessory), please refer to figure 3**
a. ON/OFF: In the OFF state, click the S2 switch, to enter the memory mode (First time use will be High mode); Click the S2 switch again to turn off the flashlight.
b. To increase brightness: In the ON state, press and hold the S1 switch. The brightness will increase to the maximum brightness and upon the release of the switch the brightness will be set.
c. To decrease brightness: In the ON state, press and hold the S3 switch. The brightness will decrease to the minimum brightness and upon the release of the switch the brightness will be set.



- S1 — Increase brightness
- S2 — ON/OFF
- S3 — Decrease brightness

Figure 3

**Operation of the Filters & LED models (Optional accessory)**
**Lens filter**: Place the filter, with the thread facing the flashlight head, on the reserved thread on the head of the flashlight and turn clockwise to fasten. Turn counterclockwise to remove the filter.

**LED module**: Screw out the head and led module by turning counterclockwise and then insert desired LED module and tighten in by turning clockwise.

## Usage and Maintenance

- The temperature on the surface of the torch may increase during use, especially during periods of continuous high lumen output. The maximum safe operating temperature on the surface is 60℃.
- Please fully charge battery before initial use. Included battery is charged to less than 50% for safer shipping.
- To maintain the waterproof rating, please lubricate the O-ring with silicone safe lubricant and replace broken O-rings as needed.
- Do not shine light directly into eyes.
- For long-term storage, please remove the battery and store in a cool and dry place.

## Warranty

- The product is provided with a 5-year life warranty.
- The warranty does not cover normal wear and tear, modifications, misuse, disintegrations, negligence, accidents, improper maintenance, or repairs by anyone other than an authorized retailer or SPERAS itself.
- For more details on warranty please email us: info@speraslight.com.

摊开240x120mm 折后60x120㎜
157g铜版纸单黑双面印刷