

**M2R**  
User manual

SPERAS M2R is a powerful multifunctional flashlight powered by a 18650 lithium battery with a maximum output of 1200lm. The compact, right-angle flashlight is equipped with an OSRAM LED and an advanced circuit design. It has a great user interface, that allows the user to utilize the memory mode function, easily change modes and activate the Strobe mode. The M2R can be used as a handheld light, with a magnet tail to free hands, and a headlamp, with head strap, making it a powerful, reliable and vital too for multiple applications in low light environments.

#### Features

- ▣ Powerful performance: max output up to 1200lm with a type C charging.
- ▣ Multi-functional use: a right-angled head with a magnetic tail for various hands-free applications. It can be used as a headlamp or a handheld flashlight.
- ▣ User friendly interface: To change between the modes is easy. Double click to activate the strobe mode and long press 0.5s to activate the eco mode. It also has a memory mode function to ease operation.
- ▣ Lock function: To lock the flashlight to ensure that it does not switch on when not required. E.g. like in your backpack etc.
- ▣ Type C charging: The M2R has a charging time of 4h.
- ▣ Advanced Temperature Regulation (ATR) technology ensures accurate power indication, low battery voltage and reverse load protection.
- ▣ A high-strength aerospace aluminum body with a premium type III hardened anodized anti-abrasive finish for extreme durability.

#### Specifications

FL 1 STANDARD	High	Medium	Low	ECO	Strobe	SOS
Output	1200LM-600LM	400LM	100LM	5LM	1200LM	100LM
Runtime	90S+ 1.3H	4H	20H	200H	--	--
Beam Intensity	3900cd	1350cd	400cd	51cd	--	--
Beam Distance	125m	73m	40m	14m	--	--
LED	Imported OSRAM LED					
Impact Distance	1.5m					
Waterproof	IP68 (2 meter submersible)					

- ▣ Operate Voltage: 2.5-8.4V
- ▣ Reflector: Orange reflector
- ▣ Glass: Toughened glass with a double AR coating
- ▣ Compatible batteries: 1\*18650 Lithium battery or 2\*CR123A
- ▣ Material: Aerospace aluminum alloy body in military-III hardened anodized finish
- ▣ Switch: Head button
- ▣ Size: 110mm(L), 27.5mm(Head), body tube:22.5mm
- ▣ Flashlight Weight: 115g(include battery)

**Note:**  
The above data has been measured in accordance with international flashlight testing standards ANSI/NEMA FL1 using one SPERAS 18650 3400mah lithium battery under laboratory conditions. The data may vary slightly during actual use due to battery type, individual usage habits and environmental factors.

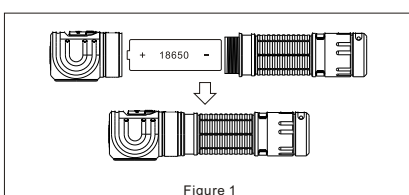
#### Inside the box

- 1\*M2R flashlight
- 1\*TYPE-C USB cable
- 2\* O-ring
- 1\* lanyard
- 1\*User manual
- 1\* headlamp strap accessories
- 1\* battery(Optional)

#### Operation

##### 1. Correctly insert the battery.

(Please follow Figure 1)



##### 2. Operation

- ▣ a. In the OFF state, one click will turn on the flashlight (memory mode) and press and hold (for 0.5s), activate the ECO mode.
- ▣ b. In the ON state, press the button and hold to change the mode. The mode will circle from ECO, Low, Medium to High and when the switch is released that mode will be selected.
- ▣ c. In any state, quickly click twice, it will enter strobe, another double click, it will enter SOS, and click will be back to the previous state.

##### 3. Lock & Unlock function

- ▣ In the OFF state, press the button and hold for 2 seconds. The flashlight will enter ECO mode and flash twice before switching off. This will indicate that the flashlight is locked. When the flashlight is locked and the button is pressed it will quickly flash for 5 seconds to indicate that the flashlight is locked.
- ▣ Quickly press the button twice to unlock the flashlight. Twice flashes will indicate that the flashlight is unlocked.

#### 4. Recharging

- ▣ a. The M2R supports 5V/1A charging. Insert the cable to the type C port and connect adapter to charge.
- ▣ b. When in charging the indicator will be red and when full in charged in will turn green. If there is a problem while charging the indicator will be orange.
- ▣ **Note:** Only use the 18650 Lithium battery to charge.

#### 5. Battery Indication:

When the flashlight is turned ON the LED indicator in the side button will automatically monitor the power for 5 seconds.

- 1) Battery capacity  $\geq 70\%$ , Green LED
- 2)  $30\% \leq$  Battery capacity  $< 70\%$ , Orange LED
- 3) Battery Capacity  $< 30\%$ , Red LED
- 4) Battery capacity  $< 10\%$ , the red LED will keep flashing to indicate that the power will run out soon.

#### 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 55°C.
- ▣ 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.
- ▣ **When the flashlight is placed in a backpack or other storage it is advised to lock the flashlight to prevent unintended activation.**

#### 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.



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Email: info@speraslight.com  
Web: www.speraslight.com

摊开180x110mm 折后60x110mm  
157g铜版纸单黑双面印刷



**M2R-35**  
User manual

SPERAS M2R-35 is a powerful multifunctional flashlight powered by a 18650 lithium battery with a maximum output of 1200lm. The compact, right-angle flashlight is equipped with an OSRAM LED and an advanced circuit design. It has a great user interface, that allows the user to utilize the memory mode function, easily change modes and activate the Strobe mode. The M2R-35 can be used as a handheld light, with a magnet tail to free hands, and a headlamp, with head strap, making it a powerful, reliable and vital too for multiple applications in low light environments.

#### Features

- ▣ Powerful performance: max output up to 1200lm with a type C charging.
- ▣ Multi-functional use: a right-angled head with a magnetic tail for various hands-free applications. It can be used as a headlamp or a handheld flashlight.
- ▣ User friendly interface: To change between the modes is easy. Double click to activate the strobe mode and long press 0.5s to activate the eco mode. It also has a memory mode function to ease operation.
- ▣ Lock function: To lock the flashlight to ensure that it does not switch on when not required. E.g. like in your backpack etc.
- ▣ Type C charging: The M2R-35 has a charging time of 1.1h.
- ▣ Advanced Temperature Regulation (ATR) technology ensures accurate power indication, low battery voltage and reverse load protection.
- ▣ A high-strength aerospace aluminum body with a premium type III hardened anodized anti-abrasive finish for extreme durability.

#### Specifications

FL 1 STANDARD	High	Medium	Low	ECO	Strobe	SOS
Output	1200LM-600LM	400LM	100LM	5LM	1200LM	100LM
Runtime	90S+ 0.5H	1.5H	5.86H	65H	--	--
Beam Intensity	3900cd	1350cd	400cd	51cd	--	--
Beam Distance	125m	73m	40m	14m	--	--
LED	Imported OSRAM LED					
Impact Distance	1.5m					
Waterproof	IP68 (2 meter submersible)					

- ▣ Operate Voltage: 2.5-8.4V
- ▣ Reflector: Orange reflector
- ▣ Glass: Toughened glass with a double AR coating
- ▣ Compatible batteries: 1\*18350 Lithium battery
- ▣ Material: Aerospace aluminum alloy body in military-III hardened anodized finish
- ▣ Switch: Head button
- ▣ Size: 76mm(L), 27.5mm(Head), body tube:22.5mm
- ▣ Flashlight Weight: 84g(include battery)

**Note:**  
The above data has been measured in accordance with international flashlight testing standards ANSI/NEMA FL1 using one SPERAS 18350 1100mah lithium battery under laboratory conditions. The data may vary slightly during actual use due to battery type, individual usage habits and environmental factors.

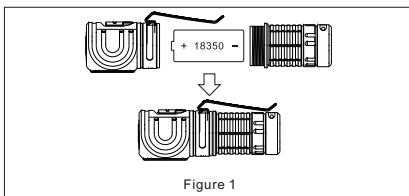
#### Inside the box

- 1\*M2R-25 flashlight
- 1\*TYPE-C USB cable
- 2\* O-ring
- 1\* lanyard
- 1\*User manual
- 1\* headlamp strap accessories
- 1\* battery(Optional)

#### Operation

##### 1. Correctly insert the battery.

(Please follow Figure 1)



##### 2. Operation

- ▣ a. In the OFF state, one click will turn on the flashlight (memory mode) and press and hold (for 0.5s), activate the ECO mode.
- ▣ b. In the ON state, press the button and hold to change the mode. The mode will circle from ECO, Low, Medium to High and when the switch is released that mode will be selected.
- ▣ c. In any state, quickly click twice, it will enter strobe, another double click, it will enter SOS, and click will be back to the previous state.

##### 3. Lock & Unlock function

- ▣ In the OFF state, press the button and hold for 2 seconds. The flashlight will enter ECO mode and flash twice before switching off. This will indicate that the flashlight is locked. When the flashlight is locked and the button is pressed it will quickly flash for 5 seconds to indicate that the flashlight is locked.
- ▣ Quickly press the button twice to unlock the flashlight. Twice flashes will indicate that the flashlight is unlocked.

#### 4. Recharging

- ▣ a. The M2R-35 supports 5V/1A charging. Insert the cable to the type C port and connect adapter to charge.
- ▣ b. When in charging the indicator will be red and when full in charged in will turn green. If there is a problem while charging the indicator will be orange.
- ▣ **Note:** Only use the 18350 Lithium battery to charge.

#### 5. Battery Indication:

When the flashlight is turned ON the LED indicator in the side button will automatically monitor the power for 5 seconds.

- 1) Battery capacity  $\geq 70\%$ , Green LED
- 2)  $30\% \leq$  Battery capacity  $< 70\%$ , Orange LED
- 3) Battery Capacity  $< 30\%$ , Red LED
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#### Usage and Maintenance

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- ▣ 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.
- ▣ **When the flashlight is placed in a backpack or other storage it is advised to lock the flashlight to prevent unintended activation.**

#### Warranty

- ▣ The product is provided with a 5-year life warranty.
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- ▣ For more details on warranty please email us: info@speraslight.com.



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摊开180x110mm 折后60x110mm  
157g铜版纸单黑双面印刷