

STANLEY®

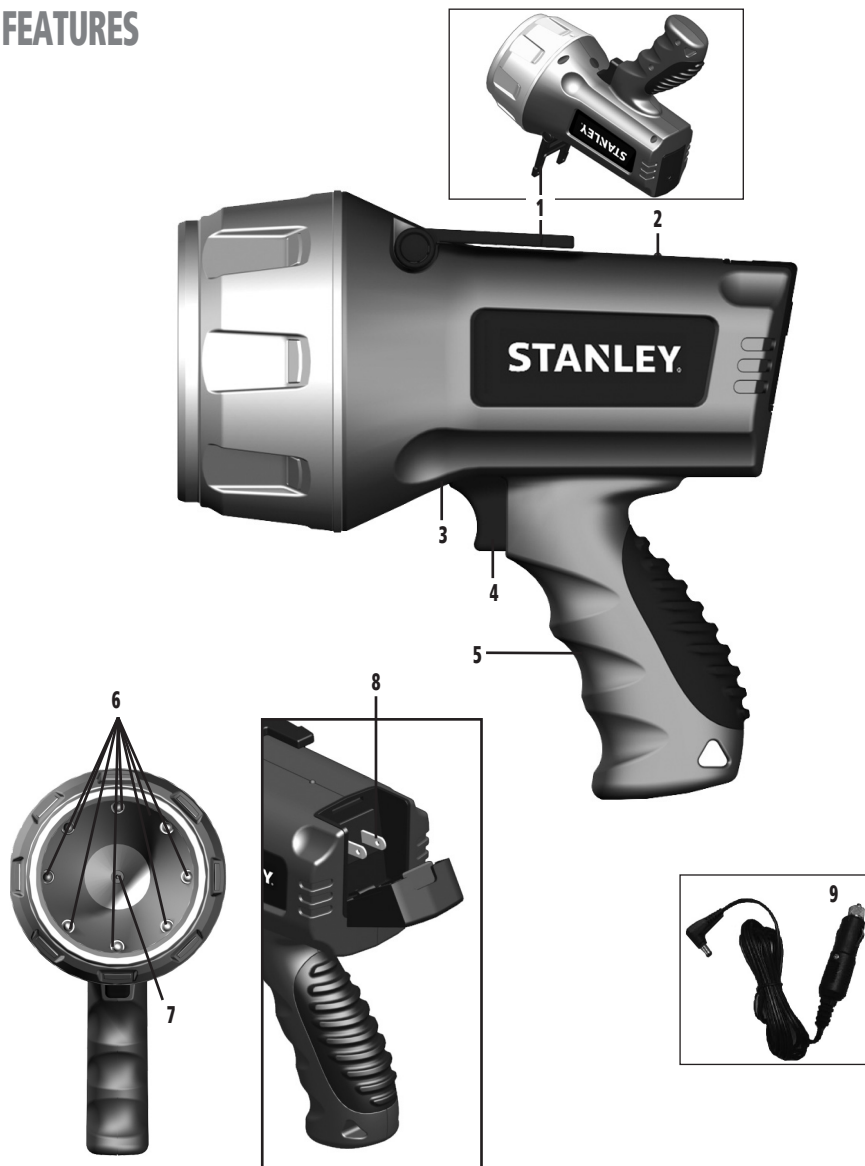
2M LITHIUM-ION LED SPOTLIGHT INSTRUCTION MANUAL

SL5HS



SAVE THIS INSTRUCTION MANUAL FOR FUTURE REFERENCE.

FEATURES



FEATURES

1. Swing-up Stand
2. Battery/Charge Status LED Indicator
3. 12 volt DC Power and Charging Port (for use with optional 12 volt DC Adapter)
4. 5-Position On/Off Trigger (Full/High/Low/Halo/Off)
5. Pistol Grip Handle
6. Area Lights (total of 8 around the Lens)
7. Main Beam LED
8. Built-in 120 Volt AC Charger (under protective cover)
9. 12 Volt DC Adapter (optional accessory)

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Changes or modifications not approved by the party responsible for compliance could void user's authority to operate the equipment.

SAFETY GUIDELINES / DEFINITIONS

DANGER: Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

WARNING: Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION: Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

CAUTION: Used without the safety alert symbol indicates potentially hazardous situation which, if not avoided, may result in property damage.

RISK OF UNSAFE OPERATION. When using tools or equipment, basic safety precautions should always be followed to reduce the risk of personal injury. Improper operation, maintenance or modification of tools or equipment could result in serious injury and property damage. There are certain applications for which tools and equipment are designed. Manufacturer strongly recommends that this product NOT be modified and/or used for any application other than for which it was designed. Read and understand all warnings and operating instructions before using any tool or equipment.

IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS

WARNING: Read all instructions before operating the spotlight. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

GENERAL SAFETY WARNINGS AND INSTRUCTIONS

WARNING: This product or its power cord contains lead, a chemical known to the State of California to cause cancer and birth defect or other reproductive harm. Wash hands after handling.

WARNING: RISK OF FIRE, ELECTRIC SHOCK, BURST HAZARD, OR INJURY TO PERSONS – WHEN USING ELECTRICAL APPLIANCES, BASIC PRECAUTIONS SHOULD ALWAYS BE FOLLOWED, INCLUDING THE FOLLOWING:

- **LED gets HOT quickly!**
- Do not touch the LED at any time when operating.
- Only contact trigger when turning on.
- Do not touch hot lens or enclosure.
- Do not remain in light if skin feels warm.
- Do not operate the spotlight with a missing or damaged lens or enclosure.

WARNING – WHEN USING ELECTRICAL APPLIANCES, BASIC PRECAUTIONS SHOULD ALWAYS BE FOLLOWED, INCLUDING THE FOLLOWING:

- To reduce the risk of injury, close supervision is necessary when the spotlight is used near children.
- Use only attachments recommended or sold by the manufacturer.

WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK:

- Do not put the spotlight in water or other liquid. Do not place or store this light where it can fall or be pulled into water or become wet.
- Charge indoors only. Do not expose charger to water or any other liquid.
- Do not clean this appliance with a water spray or the like.
- Use only the chargers supplied by the manufacturer to charge and recharge.

Extension cords

- **Outdoor use extension cords.** When appliance is used outdoors, use only extension cords intended for use outdoors and so marked.

- **Make sure your extension cord is in good condition.** When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. The following table shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gage. The smaller the gage number, the heavier the cord.

MINIMUM GAGE FOR CORD SETS					
Volts		Total Length of Cord in Feet			
120V		0-25 (0-7.6m)	26-50 (7.6-15.2m)	51-100 (15.2-30.4m)	101-150 (30.4-45.7m)
240V		0-50 (0-15.2m)	51-100 (15.2-30.4m)	101-200 (30.4-60.9m)	201-300 (60.9-91.4m)
Ampere Rating		Extension Cord Length			
More Than	Not more Than	0'-25'	26'-50'	51'-100'	101'-150'
American Wire Gage (AWG)					
0 -	6	18	16	16	14
6 -	10	18	16	14	12
10 -	12	16	16	14	12
12 -	16	14	12	Not Recommended	

- **When an extension cord is used,** make sure that:

- a) the pins of extension cord are the same number, size and shape as those in the charger,
- b) the extension cord is properly wired and in good electrical condition,
- c) the wire size is large enough for the AC rating of the charger.

CAUTION: TO REDUCE THE RISK OF INJURY OR PROPERTY DAMAGE: Pull cord by plug rather than cord when disconnecting the extension cord from the built-in AC Charger or the 120 volt 60Hz outlet.

WARNING: FIRE HAZARD:

- Never contact combustible material to the lens.
- Keep spotlight lamp away from materials that may burn.

CAUTION: TO REDUCE THE RISK OF INJURY OR PROPERTY DAMAGE:

- All lights give off heat:
 - Do not touch lens while operating.
 - Keep combustibles away from spotlight lens. Extreme heat can cause fires.
 - Never place the light face down on any surface when lit, charging or not in use. Never store the light face down on any surface.
- Never look directly into the light or shine the light into another person's eyes.
- Keep sharp objects away from lens — it is glass and can break.
- Do not immerse spotlight in water.
- Do not expose this unit to extremely high temperatures.
- Do not drop or throw spotlight. It contains glass and a lithium-ion battery.
- Use only with the charging adapter provided with unit. Plug in the charging adapter at the spotlight first, then plug into the charging source.
- After charging/recharging, disconnect charging adapter or extension cord and wait 5 minutes before use.
- Do not crush, cut, pull or expose charging adapter cords to extreme heat.
- Position charging adapter cords so they do not become entangled or become a safety hazard. Keep charging adapter cords away from sharp edges.
- Use in a dry location only.
- There are no user-serviceable parts inside. Do not attempt to disassemble any other parts of the unit.
- To reduce risk of damage to electric plug and cord, pull by plug rather than cord when disconnecting.
- Do not attempt to charge the unit if the charger or cord is damaged – return the charger to manufacturer for repair or replacement.

SPECIFIC SAFETY INSTRUCTIONS FOR LITHIUM-ION BATTERIES

WARNING: TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, BURST HAZARD, OR INJURY TO PERSONS OR PROPERTY:

- Lithium-ion batteries are small, compact and ideal for providing long-lasting power to this unit. However, they must be used and charged properly. Improper use can result in serious injury, fire, or death.
- Lithium-ion batteries can explode in the presence of a source of ignition. Do not use the product in the presence of an open flame.
 - Do not place this lithium-ion battery powered unit in fire or apply heat to it.

- Do not subject this lithium-ion battery powered unit to strong impacts or shocks. The battery in this unit contains safety and protection devices which, if damaged, may cause the battery to generate heat, rupture or ignite.
- Do not expose this lithium-ion battery powered unit to water or salt water, or allow the battery to get wet.
- Avoid storing this lithium-ion battery powered unit in the basement, bathroom or other areas of the house that are or may become wet or humid or where moisture may concentrate.
- Do not leave this lithium-ion battery powered unit in direct sunlight, or use or store the unit inside cars in hot weather. Doing so may cause the battery to generate heat, rupture, or ignite. Using the battery in this manner may also result in a loss of performance and a shortened life expectancy.
- Never charge this unit near heat or flammable objects.
- **NEVER THROW WATER ON A BURNING LI-ION BATTERY! If a lithium-ion battery does catch on fire, it will burn even more violently if it comes in contact with water or even moisture in the air. A fire extinguisher must be used.**

Battery Charging and Capacity

This unit is delivered in a partially charged state – you must fully charge it before using it for the first time.

When stored at room temperature with a full charge, Li-ion batteries will begin to discharge from the time they are manufactured, even when unused. Deep discharges also decrease their capacity. Battery life can be extended by the following:

- Charge battery to full capacity before storage.
- Optimal storage temperature for this unit is between 5°C and 20°C (41°F and 68°F).
- Never discharge the battery fully.
- Charge after each use.
- Always charge at least once every 3-6 months if not in frequent use to prevent overdischarge.

Transportation of Lithium-Ion Batteries

- Always check all applicable local, national, and international regulations before transporting a unit containing a Lithium-ion battery.
- Transporting an end-of-life, damaged, or recalled battery may, in certain cases, be specifically limited or prohibited.

SAVE THESE INSTRUCTIONS

INTRODUCTION

Congratulations on purchasing your new **Stanley 2M Lithium-Ion LED Spotlight**. Read this Instruction Manual and follow the instructions carefully before using your new spotlight.

READING THE BATTERY/CHARGE STATUS LED INDICATOR

The battery and charging status LED indicator is located on the top of the unit. It lights or flashes in three colors to indicate the following:

When charging:

- Green:** Battery is in a fully charged state.
- Orange (flashing):** Battery is in a partially charged state.
- Red (flashing):** Battery needs to be recharged.
- Green & Red (flashing alternately):** The battery of the unit is overheated due to extensive use or recharging. The charging process will stop at this stage and will automatically resume after a cool down period.

When operating:

- Green:** Battery is operating at full voltage.
- Orange:** Battery is operating at partial voltage.
- Red:** Battery is operating at low voltage, and should be recharged.
- Green & Red (flashing alternately):** The battery of the unit is overheated due to extensive use or recharging. Operation will stop at this stage and will automatically resume after a cool down period.

CHARGING/RECHARGING THE SPOTLIGHT

This unit is shipped in a partially charged state. Charge unit after purchase and BEFORE first use using the Built-in 120 Volt AC Charger for 6 hours or until the battery/charge status LED indicator lights green.

Recharge after each use until the battery/charge status LED indicator lights green.

IMPORTANT: When the unit is not in use, we recommend that the battery is charged at least every 3 to 6 months.

WARNING: Never attempt to use the AC and DC charging methods at the same time.

CAUTION: TO REDUCE THE RISK OF INJURY OR PROPERTY DAMAGE:

- Never place the light face down on any surface when charging.
- Failure to keep the battery charged will cause permanent damage and result in poor performance.

Charging/Recharging Using the Built-in 120 Volt AC Charger and a Standard Household Extension Cord (not included)

- Make sure the spotlight is off.

• Lift the protective cover located on the back of the unit and connect a standard North American 120 volt AC extension cord to the built-in 120 Volt AC Charger.

- Insert the plug end into a (powered) standard North American 120 volt 60Hz outlet.
- Charge until the battery/charge status LED indicator lights green (approximately 6 hours).

Charging/recharging using the 12 Volt DC Adapter (optional accessory)

- Make sure the spotlight is off.
- Insert the barrel tip of the supplied 12 Volt DC Adapter into the 12 Volt DC Power and Charging Port.
- Insert the 12 volt DC plug end into the accessory outlet of your vehicle or other 12 volt DC power source.
- Charge until the battery/charge status LED indicator lights green (approximately 4-6 hours).

Notes: When using a vehicle's 12 volt DC accessory outlet as a charging source, be aware that some vehicles require you to turn on the ignition to power the accessory outlet.

⚠ WARNING: TO AVOID THE RISK OF PROPERTY DAMAGE:

• NEVER CONNECT THE UNIT TO A POSITIVE GROUNDED VEHICLE.

- The 12 Volt DC Adapter must only be connected to batteries with a nominal output voltage of 12 volts. The unit will not operate from a 6 volt battery and will sustain permanent damage if connected to a 24 volt battery.

OPERATING INSTRUCTIONS

The 5-Position On/Off Trigger turns the unit on and off, and is also used to choose the following modes:

FULL – all LEDs;

HIGH – Main Beam LED in its high (brightest) setting;

LOW – Main Beam LED in its low (dimmiest) setting; or

HALO – 8 Area LED lights.

Operating the spotlight cordless

To use the spotlight in cordless mode, disconnect the Charging Adapter after fully charging the unit. Then select the desired light mode, as follows:

To turn the spotlight on and use the Main Beam LED and 8 area lights at once	Press the trigger once.
To use the Main Beam LED alone in its brightest setting	Press the trigger a second time <i>within 5 seconds</i> .
To use the Main Beam LED alone in its dimmer setting	Press the trigger a third time <i>within 5 seconds</i> .
To switch the spotlight to HALO mode, using just the 8 area LED lights	Press the trigger a fourth time <i>within 5 seconds</i> .
To turn the spotlight off	Either press the trigger a fifth time within 5 seconds OR press the trigger once <i>after 5 seconds</i> in any mode.

Notes: The battery/charge status LED indicator will light in one of three colors (as described in the "Reading the Battery/Charge Status LED Indicator" section) to indicate the battery status.

If the spotlight's internal lithium-ion battery level is too low (the battery/charge status LED indicator lights red), the built-in low voltage protection may activate after a short period of operation, then the unit will automatically shut down. This is a special feature to protect the unit's internal lithium-ion battery from damage. Recharge the battery before continuing use.

If the spotlight's internal lithium-ion battery becomes hot, it may automatically operate in LOW (Main Beam LED alone in its dimmer setting) even when HIGH or FULL mode is selected. This is a special feature to protect the unit's internal lithium-ion battery from overheating.

Operating the unit corded

Plug the barrel tip of the supplied 12 volt DC adapter into the 12 volt DC power and charging port on the bottom of the unit (next to the On/Off Trigger). Insert the plug end into the accessory outlet of your vehicle or other 12 volt DC power source. Operate the unit as outlined in the previous section.

IMPORTANT: The spotlight will operate while the built-in 120 Volt AC Charger is connected to a functioning power source, but will continue to draw power from the unit's Lithium-Ion battery while the spotlight operates. This may cause the low voltage protection to activate and shut the spotlight down. Manufacturer recommends only operating the unit in corded mode using the 12 Volt DC Adapter.

Using the Swing-up Stand

Lift the Swing-up Stand up, invert the unit and set it upon a flat, stable surface for hands-free operation.

CARE AND MAINTENANCE

All batteries lose energy from self-discharge over time and more rapidly at higher temperatures. When the unit is not in use, we recommend that the battery is charged at least every 3 to 6 months.

Never submerge the unit in water. If the unit gets dirty, gently clean the outer surfaces of the spotlight unit with a soft cloth moistened with a mild solution of water and detergent.

There are no user-replaceable parts. Periodically inspect the condition of adapters, connectors and wires. Contact manufacturer to replace any components that have become worn or broken.

Battery replacement/disposal

BATTERY REPLACEMENT

The battery should last the service life of the unit. Service life is dependent on a number of factors including but not limited to the number of recharge cycles, and proper care and maintenance of the battery by the end user. Contact manufacturer for any information you may need.

SAFE BATTERY DISPOSAL

Contains a lithium-ion battery, which must be disposed of properly. Recycling is required. Failure to comply with local, state and federal regulations can result in fines, or imprisonment. Contact your local waste management authority to dispose of this product.

⚠ WARNINGS:

- Do not dispose of the battery in fire as this may result in an explosion.
- Before disposing of the battery, protect exposed terminals with heavy-duty electrical tape to prevent shorting (shorting can result in injury or fire).
- Do not expose battery to fire or intense heat as it may explode.

12 volt DC Adapter plug fuse replacement

The fuse in the plug end of the 12 Volt DC Adapter protects the adapter's charging circuit. If the 120 Volt AC Charger operates, but the DC adapter does not, then this fuse may be opened (blown).

TO REPLACE THE FUSE:

1. Unscrew the end cap of the DC plug (counterclockwise).
2. Remove spring center contact and fuse.
3. Check fuse with a continuity checker.
4. If blown, locate a replacement 5 amp fuse.
5. Replace the fuse, spring, contact and end cap.
6. Screw end cap clockwise until it is finger tight – DO NOT OVER-TIGHTEN.
7. Test for proper operation of the 12 volt DC adapter.

TROUBLESHOOTING

The battery/charge status LED indicator flashing green/red alternatively during charging

The unit may have shut down to protect the battery from overheating after long term operation or charging/recharging. Unplug the AC or DC adapter and allow the spotlight to cool down approximately a half-hour before resuming charging.

The battery/charge status LED indicator does not light when charging

1. Check connection to the built-in 120 Volt AC Charger or the 12 VDC Power/Charging Port.
2. Check connection to AC or DC power source.
3. Confirm there is a functioning AC or DC current.
4. Check that the fuse in the 12 Volt DC Adapter is not blown.

Unit will not operate in corded mode

1. Check connection to the 12 VDC Power/Charging Port.
2. Check connection to the DC power source.
3. Confirm there is a functioning DC current.
4. Check that the fuse in the 12 Volt DC Adapter is not blown.