**S-LONG USA580801**

# S-LONG Cordless Ratchet Wrench Set Instruction Manual

Model: USA580801

## 1. Introduction

Thank you for choosing the S-LONG Cordless Ratchet Wrench Set. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new tool. Please read this manual thoroughly before first use and keep it for future reference.




*Figure 1: The complete S-LONG Cordless Ratchet Wrench Set, including the power ratchet, carrying case, fast charger, two 2000mAh lithium-ion batteries, and a variety of sockets.*

## 2. Product Overview

### 2.1 Components Included

- 1 x S-LONG Power Ratchet Wrench
- 1 x Carrying Case
- 1 x Fast Charger
- 1 x Manual Ratchet (for initial loosening/final tightening)
- 2 x 2000mAh Lithium-Ion Batteries
- 1 x 1/4" Socket Adapter
- 2 x Long Sockets
- 2 x Screwdrivers

- 8 x Pieces Nut Kits (sockets)




*Figure 2: All components included in the S-LONG Cordless Ratchet Wrench Kit.*

## 2.2 Key Features

- **High Performance Motor:** Equipped with a 12-volt motor, delivering a maximum torque of 70 Newton Meters (51.6 ft-lbs) and up to 400 RPM.
- **Variable-Speed Trigger:** Provides excellent control over the rotation speed.

- **Built-in LED Work Light:** Illuminates dim working environments for improved visibility.
- **Power Indicator:** Displays the remaining battery power.
- **Compact & Lightweight Design:** Weighs only 1.8 lbs, allowing for comfortable one-handed use and access to tight spaces.
- **Quick Charging:** 2000mAh batteries can be fully charged in approximately 1 hour.




*Figure 3: Compact design for tight spaces.*

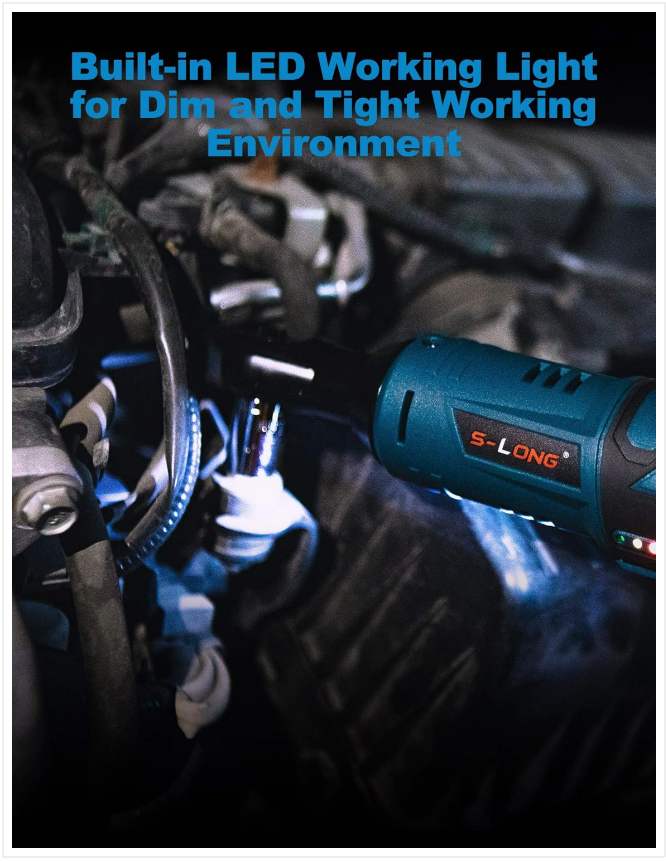


*Figure 4: Built-in LED working light.*




*Figure 5: Variable speed trigger for precise control.*




*Figure 6: Forward/Reverse switch for fastening and unscrewing.*

## 3. Safety Information

Always observe basic safety precautions when using electric tools to reduce the risk of fire, electric shock, and personal injury.

- **Work Area Safety:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Electrical Safety:** Avoid body contact with earthed or grounded surfaces. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating the tool for extended periods. Dress properly; avoid loose clothing or jewelry.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.
- **Battery Pack Use and Care:** Recharge only with the charger specified by the manufacturer. Do not use battery packs with any other power tools. Do not disassemble, open, or shred battery packs.

## 4. Setup

### 4.1 Charging the Battery

1. Ensure the fast charger is connected to a standard electrical outlet.
2. Insert the 2000mAh Lithium-Ion battery into the charger. The indicator light on the charger will show the charging status.
3. A full charge typically takes about 1 hour. Once fully charged, remove the battery from the charger.




*Figure 7: Battery charging process.*

## 4.2 Attaching Sockets and Adapters

1. Ensure the ratchet wrench is turned off and the battery is removed before attaching or removing accessories.
2. Align the desired socket or adapter (e.g., 1/4" socket adapter) with the square drive on the head of the ratchet wrench.

3. Push the socket firmly onto the drive until it clicks into place, ensuring a secure fit.
4. To remove, pull the socket firmly off the drive.

## 5. Operating Instructions

### 5.1 Installing the Battery

Slide the charged battery pack into the base of the ratchet wrench until it clicks securely into place.

### 5.2 Checking Battery Level

The power indicator lights on the tool will show the remaining battery charge. Recharge the battery when the indicator shows low power.

### 5.3 Forward/Reverse Operation

Locate the forward/reverse switch on the head of the ratchet. Push the switch to the left for forward rotation (tightening) and to the right for reverse rotation (loosening). Ensure the switch is fully engaged in the desired direction before operating.

### 5.4 Using the Variable Speed Trigger

To operate the tool, press the variable speed trigger. The speed of rotation is controlled by the amount of pressure applied to the trigger. Pressing harder will increase the RPM up to 400 RPM. Release the trigger to stop the tool.

### 5.5 Applications

The S-LONG Cordless Ratchet Wrench is suitable for a wide range of applications, including but not limited to:

- Furniture assembly
- Automotive mechanics and repairs
- General mechanical repair tasks
- Scaffolding installation and adjustments
- Any task requiring fastening or unscrewing bolts and nuts in tight or hard-to-reach areas.

For extremely tight or rusted fasteners, it is recommended to use the included manual ratchet wrench for initial loosening before switching to the power ratchet for speed and convenience.

## 6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your S-LONG Cordless Ratchet Wrench.

- **Cleaning:** After each use, wipe down the tool with a clean, damp cloth. Do not use harsh chemicals or abrasive cleaners. Keep ventilation openings free of dust and debris.
- **Storage:** Store the tool, batteries, and charger in the provided carrying case in a dry, cool place, away from direct sunlight and moisture.
- **Battery Care:** Do not store batteries in a discharged state. Recharge them periodically if not in use for extended periods to maintain battery health. Avoid exposing batteries to extreme temperatures.
- **Inspection:** Periodically inspect the tool for any signs of damage, loose parts, or wear. If any issues are found, discontinue use and contact customer support.

## 7. Troubleshooting

| Problem | Possible Cause | Solution |
|---|---|---|
| Tool does not turn on. | Battery is not charged or not properly inserted. | Ensure battery is fully charged and securely inserted. Check power indicator lights. |
| Tool lacks power/torque. | Low battery charge; fastener is too tight for the tool. | Recharge battery. For extremely tight fasteners, use the manual ratchet wrench to break them loose first. |
| Battery not charging. | Charger not plugged in; faulty battery or charger. | Check power connection to charger. Try charging the second battery (if applicable). If problem persists, contact customer support. |
| Socket does not fit or is loose. | Incorrect socket size; socket not fully engaged. | Ensure you are using the correct size socket for the fastener. Push the socket firmly onto the square drive until it locks. |

## 8. Specifications

| Specification | Value |
|---|---|
| Model Number | USA580801 |
| Brand | S-LONG |
| Voltage | 12 Volts |
| Max Torque | 70 Newton Meters (approx. 51.6 ft-lbs) |
| No-Load Speed | Up to 400 RPM |
| Drive Size | 3/8 inch |
| Battery Type | Lithium-Ion |
| Battery Capacity | 2000mAh (2.0Ah) |
| Charging Time | Approx. 1 hour |
| Item Weight | 2 Kilograms (approx. 4.4 pounds) |
| Product Dimensions | 10.24 x 3.54 x 11.81 inches |
| Material | Metal |
| Color | Black |

## 9. Warranty and Support

S-LONG is committed to providing high-quality tools and customer satisfaction. If you encounter any issues with your S-LONG Cordless Ratchet Wrench Set, please contact our customer support team.

**Defective Product Policy:** If you receive a defective product, please contact us immediately. We will arrange for a replacement unit to be sent to you free of charge, with no return of the original item required.

For support, please visit the official S-LONG store on Amazon or contact us through your purchase platform.Visit the S-LONG Store

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**Details**

Model number, symptoms, what you tried, or the section of the manual you are using.

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