



[Manuals.plus](#) /

› [SUNTEK](#) /

› SUNTEK 40V 21-Inch Cordless Electric Self-Propelled Lawn Mower SLM4521 Instruction Manual

## SUNTEK SLM4521

# SUNTEK 40V 21-Inch Cordless Electric Self-Propelled Lawn Mower

MODEL: SLM4521 INSTRUCTION MANUAL

## 1. Introduction

---

Thank you for choosing the SUNTEK 40V 21-Inch Cordless Electric Self-Propelled Lawn Mower. This manual provides essential information for the safe operation, assembly, maintenance, and troubleshooting of your new lawn mower. Please read this manual thoroughly before first use and keep it for future reference.



Figure 1: SUNTEK 40V 21-Inch Cordless Electric Self-Propelled Lawn Mower.

## 2. Important Safety Information

---

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury. This includes, but is not limited to:

- Read all instructions before operating the appliance.
- Wear appropriate personal protective equipment (PPE), including eye protection, hearing protection, and sturdy footwear.
- Keep children and bystanders away from the mowing area.
- Never operate the mower in wet conditions or on steep slopes.
- Ensure the battery is fully charged before use and removed during maintenance or storage.
- Inspect the mower for damage before each use. Do not operate if damaged.

## 3. Package Contents

---

Verify that all items are present in the package:

- SUNTEK 40V 21-Inch Cordless Electric Self-Propelled Lawn Mower
- 2 x 4.0Ah Lithium-ion Batteries
- Rapid Charger
- Grass Collection Bag
- Side Discharge Chute
- Mulching Plug
- Instruction Manual

## 4. Setup

---

### 4.1 Handle Assembly

Unfold the handle and secure it in place using the quick-release levers. Ensure the handle is firmly locked before operation. The telescopic handle allows for height adjustment for user comfort.

### 4.2 Battery Installation

Open the battery compartment cover. Insert two fully charged 40V 4.0Ah lithium-ion batteries into the dual battery ports. The mower features automatic switchover functionality between batteries.



*Figure 2: Dual battery ports with auto-switch technology for extended runtime.*

### 4.3 Grass Collection Bag / Mulching Plug / Side Discharge Chute

Depending on your preference, attach the grass collection bag, insert the mulching plug, or install the side discharge chute. Refer to the diagrams in the full manual for detailed instructions on each attachment.

## 5. Operating Instructions

---

### 5.1 Starting and Stopping the Mower

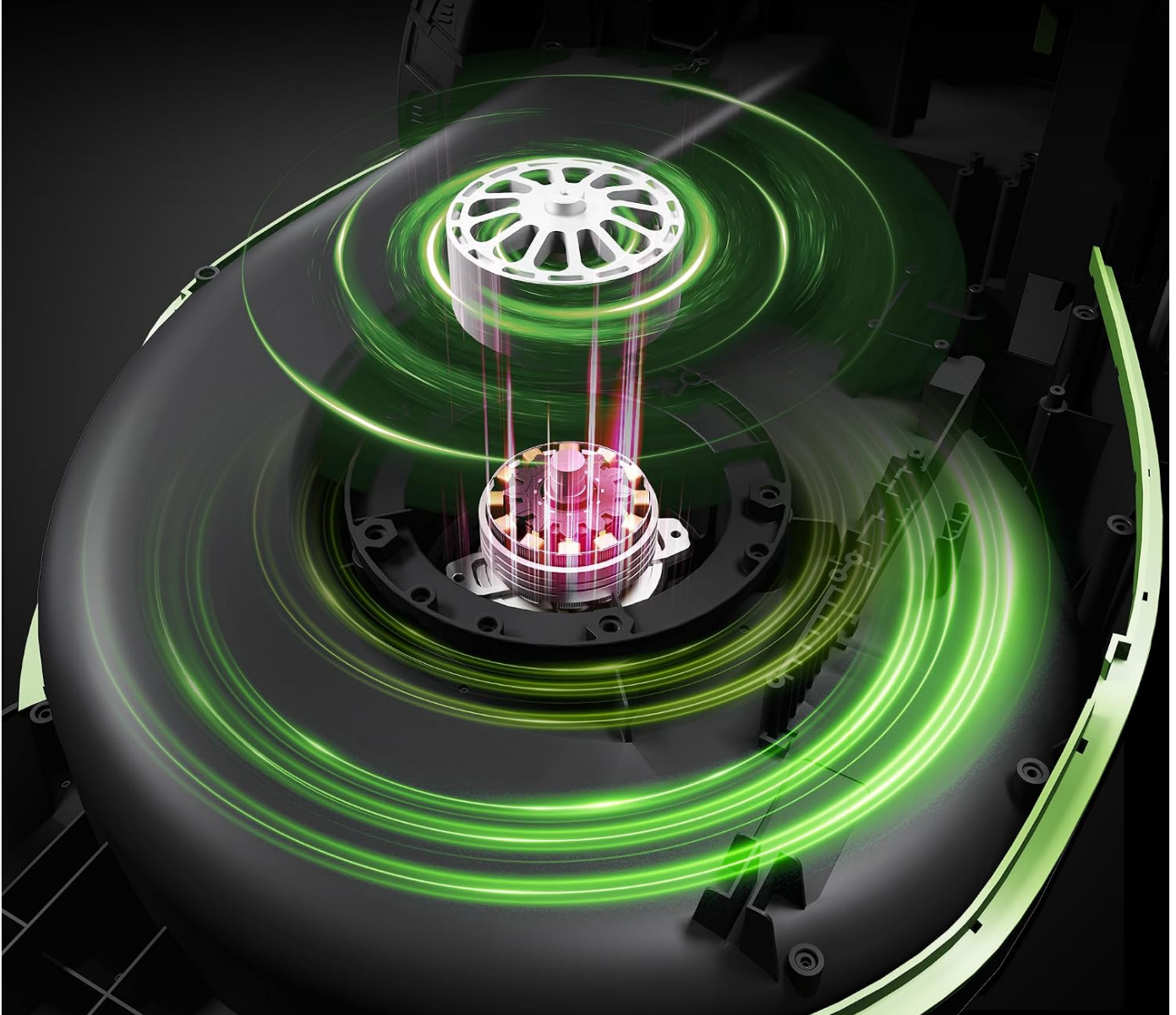
To start, press and hold the safety button, then pull the bail lever towards the handle. To stop, release the bail lever.

### 5.2 Adjusting Cutting Height

The mower offers 7-position height adjustment from 1" to 2.95". Use the single-point height adjustment lever located near the rear wheel to select your desired cutting height.

# DIGI-BRUSHLESS MOTOR

Outrunner brushless motor provides more mowing power and efficiency.



*Figure 3: Adjusting the cutting height using the lever.*

## 5.3 Self-Propulsion Feature

Engage the self-propulsion lever to activate automatic forward movement. Adjust the speed using the handle-controlled speed adjustment, offering seven levels from 0.4 to 0.7 meters per second.

## 5.4 SmartView System and Mowing Modes

The integrated SmartView system displays real-time status, including battery level, cutting height selected, and potential errors. Select from three speed working modes: ECO, POWER, and Smart, to optimize performance for different grass conditions.

# INNOVATIVE SMARTVIEW SYSTEM



Cutting-Height Selected



Low Temperature of Battery or Motor PCM



Bluetooth Connection



Motor Error



Handle Error



Battery or Motor PCM Overheating



Battery Level



LED Light



Figure 4: The SmartView display provides real-time operational information.

## 5.5 Smart Charging App

Download the SUNTEK LIVING app to monitor battery charging status, manage battery lifecycle, and set charging schedules remotely.



Figure 5: Monitor and manage your battery with the SUNTEK LIVING app.

## 5.6 Official Product Video

Your browser does not support the video tag.

Video 1: An official video demonstrating the features and operation of the SUNTEK 21-inch lawn mower.

## 6. Maintenance

---

### 6.1 Cleaning

After each use, disconnect the batteries and clean the mower deck and blade area. Remove any grass clippings or debris using a brush or cloth. Do not use water directly on electrical components.

### 6.2 Blade Care

Regularly inspect the blade for sharpness and damage. A dull or damaged blade can affect cutting performance and mower efficiency. Replace the blade if it is bent, cracked, or excessively worn. Always wear heavy-duty gloves when

handling the blade.

### 6.3 Storage

For compact storage, fold the handle down. The grass bag can be used to cover the exposed blade for safety. Store the mower in a dry, secure location away from children and pets. Remove batteries before long-term storage.



Figure 6: The mower features a compact and safe storage design.

## 7. Troubleshooting

Problem	Possible Cause	Solution
Mower does not start	Batteries not inserted correctly or discharged; Safety button/bail lever not engaged.	Ensure batteries are fully charged and properly seated. Engage safety button and pull bail lever simultaneously.
Poor cutting performance	Dull or damaged blade; Cutting height too low for grass conditions; Overgrown grass.	Sharpen or replace blade. Adjust cutting height. Mow frequently or take smaller passes.
Excessive vibration	Damaged or unbalanced blade; Loose components.	Inspect blade for damage and replace if necessary. Check all fasteners for tightness.
Self-propulsion not working	Self-propulsion lever not engaged; Motor issue.	Ensure the self-propulsion lever is fully engaged. Check SmartView for error codes.

## 8. Specifications

Feature	Detail
Model	SLM4521
Power Source	Battery Powered (40V)
Cutting Width	21 Inches
Cutting Height Adjustment	7 Positions (1" to 2.95")
Motor Type	Digi-Brushless Outrunner Motor
Self-Propelled Speed	7 levels (0.4 to 0.7 m/s)
Battery Type	Lithium-ion (2 x 4.0Ah included)

Feature	Detail
Product Dimensions (DxWxH)	42.5" x 25.2" x 21.1"
Special Features	SmartView System, APP Compatible, Dual Battery Ports with Auto-Switch

## 9. Warranty and Support

---

For warranty information, product registration, or technical support, please refer to the warranty card included with your product or visit the official SUNTEK website. Keep your purchase receipt as proof of purchase for warranty claims.

**Customer Support:** For assistance, please contact SUNTEK customer service through the contact information provided on the official website or your purchase documentation.

