

LawnMaster®



21V LITHIUM

HEDGE & GRASS SHEAR

SAFETY AND OPERATING MANUAL

PLEASE READ THIS MANUAL CAREFULLY BEFORE OPERATING THE UNIT

LB21SH



A STEELFORT PRODUCT



PROUDLY
NZ OWNED



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Thank you for purchasing our LawnMaster 21V Lithium hand shear, the information contained within this manual will help you to have many years of safe and trouble-free use of this LawnMaster product.

OPERATOR SAFETY

SAFETY RULES

This manual contains important safety information and instructions to operate the LawnMaster 21V Lithium Hedge & Grass Shear. PLEASE READ THIS MANUAL CAREFULLY BEFORE USING THE UNIT. Failure to adhere to the safety instructions could result in property damage and/or serious personal injury. This manual should be considered a permanent part of the Hedge & Grass Shear and should remain with the unit at all times. All information in this publication is based on the latest product information available at the time of printing. Product Information and specifications can be altered and/or improved without notice. Content from this publication may not be reproduced without written consent.

DANGER

Indicates a hazardous situation which, if not strictly complied with, will result in substantial property damage and or serious injury.

WARNING

Indicates a hazardous situation which, if not strictly complied with, may result in property damage.

CAUTION

Indicates a hazardous situation which, if not strictly complied with, could result in property damage or personal injury. The warnings and precautions discussed in this manual does not cover all possible conditions and or scenarios that may occur. It must be understood by the operator that common sense and caution must be taken into consideration when operating this product, as these are factors.

WORKPLACE SAFETY

- Keep the workplace clean and well-lit to avoid accidents due to messy or dark environments.
- Do not operate the Hedge & Grass Shear in explosive environments, such as those with flammable liquids, gas, or dust. Sparks generated during operation may ignite dust or gas.

- When operating the Hedge & Grass Shear, keep away from children and bystanders by 15 metres. Focus on the operation to avoid losing control of the hedge & grass shears.

ELECTRIC SAFETY

- Use well-matched plugs and sockets. Modified plugs are not allowed. For Hedge & Grass Shear that require grounding, do not use any conversion plug. To reduce the risk of electric shock, ensure the plug is unmodified and matches the socket.
- Avoid shock risks by not cutting hidden electrical cords or power lines, while using the Hedge & Grass Shears, check the area you are working in for electrical hazards before starting work.
- Do not expose the Hedge & Grass Shears to rain or wet environments, as this increases the risk of electric shock.
- Do not misuse the charging power cord, such as carrying, pulling, or unplugging the Hedge & Grass Shear by the charging cord. Keep the charging cord away from heat, oil, sharp edges, or moving parts to prevent damage and shock risks.
- Do not charge the Hedge & Grass Shears in full sunlight outdoors. Always charge the battery in a protected, cool, dry area out of direct sunlight.

PERSONAL SAFETY

- Stay alert and avoid operating the Hedge & Grass Shear when tired, under the influence of drugs or alcohol, or during medical treatment, as this can lead to serious injury.
- Always wear goggles and, when necessary, use additional protective equipment like dust masks, non-slip safety shoes, hand protection, safety helmets, and hearing protection to reduce the risk of personal injury. Before connecting the power supply or battery pack, picking up, or carrying the Hedge & Grass Shear, ensure the switch is in the off position to prevent accidental starting. Energising the Hedge & Grass Shear while the switch is on can be extremely dangerous.
- Always pay attention to foot positioning and body balance to better control the Hedge & Grass Shears to avoid accidents.
- Dress appropriately. Do not wear loose clothes or accessories. Keep your hair and clothes away from moving parts.
- Make sure the battery is removed from the Hedge & Grass Shears before changing attachments.
- Even with frequent tool use and familiarity with their operation, always prioritise safety rules. A

PRECAUTIONS

- The operator must operate the Hedge & Grass Shears in strict accordance with the instruction manual.
- It is strictly forbidden to reach into the moving or transmission parts of the Hedge & Grass Shears during operation.
- Always ensure safety protection is in place during operation.
- Always remove the battery from the Hedge & Grass Shears when not in use.
- It is strictly forbidden to change attachments while the battery is still connected to the hand tool.
- Do not use the Hedge & Grass Shears during rain or thunderstorms.

SAFETY RULES

UNDERVOLTAGE PROTECTION

If the battery is not charged in time, and the machine operates under low battery voltage for a certain period, it will not start once the voltage falls below a certain level.

OVERCURRENT PROTECTION

This is an overload protection feature. When the current exceeds a safe limit, the machine will automatically shut down to prevent damage and burnout.

OVER-TEMPERATURE PROTECTION

Extended use of the machine may cause the electronic components on the controller to overheat. When this happens, the controller will automatically trigger protection mode. Once the components cool down, the machine will return to normal operation.

OPERATION

- Always turn off the machine and remove the battery pack: When storing the machine, before clearing blockages, before checking, cleaning, or handling the machine, after impact with foreign objects, If the machine starts vibrating abnormally.
- Only operate the machine in well-lit conditions.
- Stand on solid ground while operating. Walk, don't run, while using the machine.
- Turn off the machine, remove the battery pack, and wait until all moving parts have stopped before touching them.
- When using the Hedge & Grass Shear, never point the cutting blades at anyone.

WARNING

- Do not expose the Hedge & Grass Shear to rain. Store it indoors and avoid using it in bad weather, especially during lightning.
- Avoid using the Hedge & Grass Shears for tasks it is not designed for, such as cutting thick branches that exceed the blade capacity. Overloading the Hedge & Grass Trimmer can cause the motor to overheat and shut down or the blades to fail.
- Always operate the Hedge & Grass Shear in well-lit conditions to ensure safety and visibility.
- Check the area you are working in for any obstructions before using the Hedge & Grass Shears to avoid personal injuries or damage to the Hedge & Grass Shears.
- If working in dusty environments, moisten the surface slightly to reduce dust particles.
- Always keep young children away from the Hedge & Grass Shear. They should not be near while the tool is in operation.
- Never insert fingers, hands, or objects into the cutting area.

BATTERY PACKS

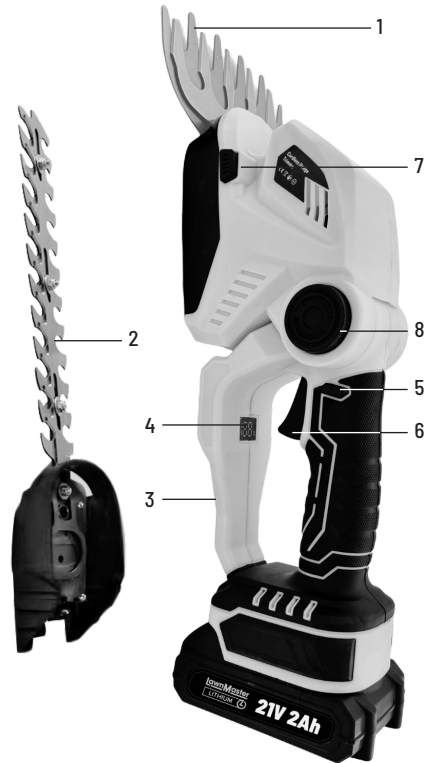
- Remove the battery pack before performing any work, such as changing tools, inspection, maintenance, transportation, storage, etc.
- Ensure that the battery pack is properly installed before using the tool.
- It's a normal phenomenon that the battery pack will become slightly hot during charging.
- Do not charge a damaged battery pack.
- After charging, please turn off the power supply and then unplug the battery pack from the charger. Do not level the battery pack in the charging body for extended periods of time once the battery has been charged.
- Do not insert the charged battery pack into the tool when the tool is not in use
- Do not attempt to disassemble the battery pack, its maintenance or repair shall be handed over to professional maintenance personnel to avoid danger of electric shock or fire due to incorrect assembly.
- Do not short circuit the battery pack
- Don't burn the battery pack, it will explode in the fire.
- Do not drop, vibrate or impact the battery pack.
- Do not use the battery pack as a hammer. Knocking on the battery pack may cause accidental short circuit, fire or explosion.
- The battery pack must be kept away from high temperature or flame! Do not place it on the heater or expose it to strong sunlight for long

periods of time. High temperature brings a risk of explosion.

- Please keep the workplace well ventilated. The toxic gas emitted by the damaged battery pack or that is not used in accordance with the specified requirements may cause personal injury.
- If the battery pack is overused or overheats, it may leak. Clean or replace contaminated parts as needed. The affected parts and the leaking battery should not be used. If leakage contacts the skin, wash with soap and seek immediate medical attention. If it comes into contact with the eyes, rinse with clean water and seek immediate medical attention. Battery pack leakage can cause corrosion or burns.
- If the service time of the battery pack is significantly shortened after each charging, please replace it with a new battery pack or go to the maintenance point for inspection.
- The battery pack shall be moisture-proof and mildew proof. Please keep it away from water and rain.
- Please store the battery pack in a safe, dry cool environment after it has been fully charged.
- The storage ambient temperature range of battery pack is 0-45°C. Too high or low temperature would affect its capacity.
- Keep the battery pack away from metal objects like paperclips, coins, keys, nails, screws, or other small metal parts, as they can create a connection with the battery pack contacts. Short-circuiting the battery pack contacts can result in sparks, burns, or fires.
- Do not discard the scrapped battery pack in general household waste.
- Collect the damaged battery packs and send them to the recycling center for disposal or dispose of them in an environmentally friendly way.
- Do not charge the battery pack when the room temperature is lower than 10°C or higher than 50°C. When the room temperature is lower than 0°C, it may not be charged.
- If the battery pack is not used for a long periods of time and stored with a low voltage or no voltage within the battery pack, this will reduce the life of the battery pack considerably, please always keep the battery pack fully charged.

Before using this tool, familiarise yourself with its functions and operating instructions. Stay alert at all times to prevent injury.

FEATURES & TECHNICAL DATA



1.	Grass Blade Attachment
2.	Hedge Trimmer Blade Attachment
3.	Hand Guard
4.	Battery Indicator
5.	Safety Switch
6.	Activation Trigger
7.	Cutting Assembly Release
8.	Cutting Head Angle Release Button

FEATURES & TECHNICAL DATA



MODEL	
Power	500W
Rotating Speed	3000 s/min
Blade Length/Hedge Trimmer Blade	210mm
Blade Width/Grass Blade	120mm
Battery	21V 2Ah Lithium
Run Time	30-40 Minutes
Charge Time	2.5 Hours
Weight	1.3kg

OPERATION

UNBOXING THE PRODUCT

1. Open the packaging and remove the Hedge & Grass Shear attachments and fit the attachment required to the hand piece (refer to page 7 under heading "Change The Cutting Assembly").
2. Install a fully charged battery.
3. Remove the blade protection cover.
4. Press the switch 5 and 6 (refer to page 5 under heading "Features & Technical Data") simultaneously to start the hedge & Grass Shear

OPERATING REGULATIONS

- Regularly adjust the blade gap and apply oil or lubricant to the blades to maintain optimal performance.
- Keep fingers away from the hedge trimmer and grass blades to prevent injury.
- Recharge the battery after continuous use.
- If the battery is not in use, charge it at least once a month to maintain its lifespan.

CHARGING THE BATTERY

Do not expose the battery to extreme conditions such as high temperatures or shock, as this can cause personal injury due to leakage of the electrolytic solution. Before charging, ensure the surface of the battery is clean and dry. When charging the battery, place the charger on a dry, firm surface. Before plugging the charger into the power supply, make sure the power switch is off. Connect the charger to the corresponding connector on the battery pack. Verify that the power supply matches the rated values on the charger and adapter. The red light on the charger indicates that the battery is charging, and the green light indicates that the battery is fully charged. The average charge time is 2.5 hours. Once the battery is fully charged, turn off the power supply to the charger before disconnecting the charger from the battery.

Important: The warranty does not cover battery failures caused by incorrect product use, such as the battery not holding a charge or reduced runtime due to improper charging or leaving the battery uncharged for extended periods. If you need a replacement, you can purchase a new battery pack from your local LawnMaster dealer. Please dispose of old battery packs responsibly.

TIPS FOR MAINTAINING MAXIMUM BATTERY LIFE

- Charge the battery pack before it is completely depleted. If the Hedge & Grass Shear battery is running low, stop using the tool and recharge the

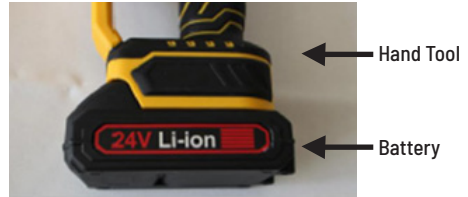
battery pack.

- Avoid overcharging. Do not recharge a fully charged battery pack, as overcharging can shorten the battery's lifespan.
- Charge the battery pack at room temperature, between 10°C and 40°C. If the battery is too hot or cold, allow it to cool or warm up before charging.
- If the Hedge & Grass Shear will not be used for an extended period (more than six months), make sure to recharge the battery pack to maintain its condition.

CHANGING THE CUTTING ASSEMBLY

1. Remove the battery pack from the hand tool (Image A)

IMAGE A



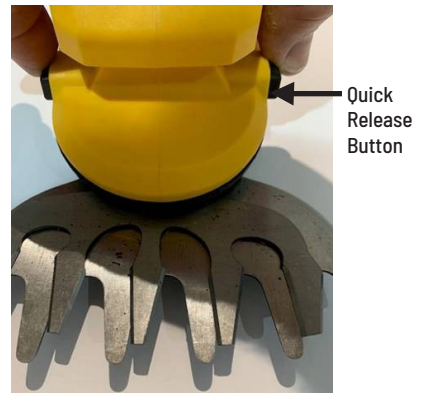
2. Turn the product upside down (Image B)

IMAGE B



3. Press the both side of quick-release latches to unlock and remove the shear blade or hedge trimmer blade (Image C)

IMAGE C



4. Attach the required blade assembly to the rear location holder (Image D)

IMAGE D



5. Make sure that the quick-release latches click into place (ImageE)

IMAGE E



ADJUSTING THE CUTTING HEAD

The cutting head can be adjusted into 4 cutting positions, to adjust press in both locking points in image 1 and move the cutting head into the required position.



POSITION 1



POSITION 2



POSITION 3



POSITION 4



INSERTING AND REMOVING THE BATTERY

1. Slide the battery into the base of the hand tool and push the battery into place until you hear a click, this indicates that the battery is fixed into place (Image A)

IMAGE A



2. To remove the battery from the tool, first push the tab down on the top front side of the battery (as per image below, this will unlock the battery from the tool) and slide the battery out form the tool. (Image B)

IMAGE B



CLEANING & MAINTANANCE

CAUTION

Before checking or servicing the Hedge & Grass Shear, make sure to turn off the power and remove the battery pack from the tool. Do not use petrol, benzene, thinner, alcohol, or similar substances to clean the Hedge & Grass Shear, as this may cause discoloration, deformation, or cracks in the tool. To clean the Hedge & Grass Shear, wipe down the exterior with a cloth soaked in soapy water. For safety and reliability, repairs, maintenance, or adjustments should be carried out by an authorised LawnMaster service dealer.

STORAGE

To ensure that the battery is fully charged, avoid leaving in extremely hot or cold environments. If the equipment will not be used for a long time, please remove the battery before storage.

BEFORE USING THE HEDGE & GRASS SHEAR:

Before using the Hedge & Grass Shear, inspect it for any necessary adjustments or abnormalities. If any issues are found, have the tool checked and repaired by an authorised LawnMaster service dealer. Do not expose the Hedge & Grass Shear to open flames or wash it with water to avoid short circuits.

See Table A below for more information:

WARRANTY

Subject to the following conditions, this unit is covered by a comprehensive two-year warranty.

The unit is designed for domestic purposes only, issues and faults due to commercial use may not be covered by warranty. The warranty covers all manufacturing faults but excludes normal wear and tear, misuse, neglect, accidental damage or defects arising from failure to comply with instructions as outlined in this owners manual. Only genuine spare parts can be used for repairs and this must be carried out by an authorised LawnMaster Services Dealer to maintain warranty.

Warranty does not cover the cost of transportation of any part(s) but does cover the labour/parts cost incurred in repairing or replacing any defective part(s) consequential or special damages and / or expenses resulting from any defect.

If the unit requires further repairs or services please visit www.lawnmaster.co.nz to find your local LawnMaster Service Dealer.

For all other enquiries contact Steelfort Customer Services +64 6 350 1350

INSPECTION ITEM	INSPECTION CONTENT	SOLUTION
Exterior	Outer body is damaged or loose	Replace or Tighten
Fasteners	Loose	Fasten/ re-tighten
Blade	The cutter teeth are rounded, cracked, deformed	Replace
	No lubrication	Oiling
	Not cutting correctly	Adjust
Control switch	The hand tool will not operate	Replace
Battery	Whether the battery has enough power	Must be charged after continuous work
Line Connector	Whether the battery wiring connector is firm	Adjustment
Switch	The switch is not functioning correctly	Replace or repair

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