

LawnMaster®



21V LITHIUM HEDGE TRIMMER

SAFETY AND OPERATING MANUAL

PLEASE READ THIS MANUAL CAREFULLY BEFORE OPERATING THE UNIT

LB21HT



A STEELFORT PRODUCT



PROUDLY
NZ OWNED



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Thank you for purchasing our LawnMaster 21V Lithium Hedge Trimmer 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 Trimmer.

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 trimmer 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

which cannot be built into this manual.

WORKPLACE SAFETY

- Keep the workplace clean and well-lit to avoid accidents due to messy or dark environments.
- Do not operate the hedge trimmer 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 trimmer, keep away from children and bystanders. Focus on the operation to avoid losing control of the hedge trimmer.

ELECTRIC SAFETY

- Use well-matched plugs and sockets. Modified plugs are not allowed. For hedge trimmers 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 making contact with grounding surfaces, such as pipes, radiators, or refrigerators while using the hedge trimmer.
- Do not expose the hedge trimmer to rain or wet environments, as this increases the risk of electric shock.
- Do not misuse the power cord, such as carrying, pulling, or unplugging the hedge trimmer by the cord. Keep the cord away from heat, oil, sharp edges, or moving parts to prevent damage and shock risks.
- When using the hedge trimmer outdoors, use extension cords that are suitable for outdoor use to reduce shock risks.

PERSONAL SAFETY

- Stay alert and avoid operating the hedge trimmer 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, 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 blower, ensure the switch is in the off position to prevent accidental starting. Energising the blower while the switch is on can be extremely dangerous.

- Always pay attention to foothold and body balance without stretching your hand too smoothly to better control the power tools in case of accidents.
- Dress appropriately. Do not wear loose clothes or accessories. Keep your hair and clothes away from moving parts.
- If devices for connecting chip removal and dust collection equipment is provided, please ensure that it is well connected and used properly which will reduce the risk caused by dust.
- Even with frequent tool use and familiarity with their operation, always prioritise safety rules. A single careless action can result in serious injury.

PRECAUTIONS

- The operator must operate the hedge trimmer in strict accordance with the instruction manual.
- It is strictly forbidden to reach into the moving or transmission parts of the hedge trimmer during operation.
- Always ensure safety protection is in place during operation.
- Always cut off the power supply when the hedge trimmer is not in use.
- It is strictly forbidden to operate the hedge trimmer while it is being used by others.
- Do not use the hedge trimmer during thunderstorms.
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SAFETY RULES

This product is compact yet powerful, featuring an advanced brushless motor design. It also includes built-in protection functions for undervoltage, overcurrent, and overheating to ensure safe and reliable operation.

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 placing 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 at an angle 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 blower, never point the outlet at anyone.

WARNING

- Do not expose the hedge trimmer to rain. Store it indoors and avoid using it in bad weather, especially during lightning.
- Avoid using the hedge trimmer for tasks it is not designed for, such as cutting thick branches that exceed the blade capacity. Overloading the trimmer can cause the motor to overheat or the blades to malfunction.
- Always operate the hedge trimmer in well-lit conditions to ensure safety and visibility.
- Use the hedge trimmer during appropriate hours to avoid disturbing neighbours.
- To avoid vibration or hearing damage, use the hedge trimmer at lower speeds when possible and limit operating time.
- If working in dusty environments, moisten the surface slightly to reduce dust particles.
- Always keep young children away from the hedge trimmer. They should not be near while the tool is in operation.
- Never insert fingers, hands, or objects into the cutting area. Always use the hedge trimmer with both hands on the handles for maximum control and safety.

BATTERY PACKS

- Disconnect the switch and 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 cut off the power supply and then unplug the battery pack from the charger. Do not put the battery pack in the charging body for a long time.
- Do not insert the charged battery pack into the charger when the tool is not in use
- Do not attempt to disassemble the battery privately, 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 a long time. High temperature brings a risk of explosion.
- Please keep 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, followed by lemon juice or vinegar. 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, flame or water.
- 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.

Blade
2.

Hand Guard
3.

Blade Connector
4.

Auxiliary Switch (A)
5.

Anti-Self-Locking Switch (B)
6.

Battery

MODEL	
Power	500kw
Rotating Speed	3000 s/min
Blade Length	480mm
Cutting Angle	45 °
Battery	21V 2Ah Lithium
Run Time	35-45 Minutes
Charge Time	2.5 Hours
Weight	2.1kg

OPERATION

UNBOXING PRODUCT

1. Open the packaging and remove the hedge trimmer.
2. Install a fully charged battery.
3. Remove the blade protection cover.
4. Press Switch A and Switch B simultaneously to start the hedge trimmer.

OPERATION PRECAUTIONS

- Regularly adjust the blade gap and apply oil or lubricant to the blades to maintain optimal performance.
- Keep fingers away from the hedge trimmer 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 trimmer 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 trimmer will not be used for an extended period (more than six months), make sure to recharge the battery pack to maintain its condition.

CLEANING & MAINTENANCE

CAUTION:

Before checking or servicing the hedge trimmer, 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 trimmer, as this may cause discoloration, deformation, or cracks in the tool.

To clean the hedge trimmer, 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.

TROUBLE SHOOTING

Before using the hedge trimmer, inspect it for any necessary adjustments or abnormalities. If any issues are found, have the tool checked and repaired by an authorised service dealer.

Do not expose the hedge trimmer to open flames or wash it with water to avoid short circuits.

INSPECTION ITEM	INSPECTION CONTENT	SOLUTION
Exterior	Whether the exterior is damaged or loose	Replace or Tighten
Fasteners	Whether it falls off or is loose	Fasten
Blade	Whether the cutter teeth are rounded, cracked, deformed	Replace
	Whether the blade has lubricating oil	Oiling
	Whether the blade gaps are good	Adjustment
Handle	Whether the handle is fixed	Adjustment
Battery	Whether the battery has enough power	Must be charged after continuous work
Line Connector	Whether the battery wiring connector is firm	Adjustment
Switch	Whether the power switch is good	Replace or repair

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 **Steeelfort Customer Services +64 6 350 1350**

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