

OPERATORS MANUAL

EN p. 2

22" - 24V MAX** LITHIUM-ION CORDLESS HEDGE TRIMMER CLHT2422



** Maximum initial battery workload voltage (measured without a workload) is 24 volts. Nominal voltage is 21.6 volts

CLHT2422_V1

Read all safety rules and instructions carefully before operating this tool. Distributed By Cleva North America 601 Regent Park Court Greenville, SC 29607 (866)-384-8432



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PRODUCT SPECIFICATIONS

24 V LITHIUM-ION CORDLESS HEDGE TRIMMER

ТҮРЕ	Cordless, Battery-powered	
BATTERY	24V d.c. 1.3Ah Lithium-ion	
CUTTING DEVICE	Precision Laser Cut Blades	
CUTTING CAPACITY	9/16"	
BLADE LENGTH	22"	
WEIGHT	5.5 Lbs Without Battery	

Charger

Model No	24LSC01-ETL
Rated Input Voltage	100-240V ac 50/60Hz
Rated Output Voltage	24V DC
Rated Output Current	500 m A
Charging Time	Approx. 3-5 hours

Read and understand all instructions before using this product. Failure to follow all instructions listed below may result in electric shock, fire, and / or serious personal injury.

- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite the dust or fumes.
- Do not allow children or untrained individuals to use this unit.
- Don't expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- Do not handle plug or tool with wet hands.
- Never allow children to operate the equipment. Never allow adults to operate the equipment without proper instruction.
- Always wear safety glasses with side shields. Everyday glass
 -es have only impact resistant lenses. They are NOT safety
 glasses. Following this rule will reduce the risk of eye injury.
 Use face mask if operation is dusty.
- Wear eye protection when operating this product. Secure long hair above shoulder level to prevent entanglement in moving parts.
- Do not expose to rain, store indoors.
- Do not operate in poor lighting.
- Use both hands when operating the hedge trimmer. Using one hand could cause loss of control and result in serious personal injury.
- Keep all parts of your body away from any moving part.
- Keep hair, loose clothing, fingers and all bady parts away from openings and moving parts.
- Wear heavy long pants, boots, and gloves. Avoid loose garments or jewelry that could get caught in moving parts of the machine or its motor.

GENERAL SAFETY RULES

- Do not force tool. Use the correct tool for your application. The correct tool will do the job better and safer at the rate for which it is designed.
- Do not operate the equipment while barefoot or when wearing sandals or similar lightweight footwear. Wear protective foot -wear that will protect your feet and improve your footing on slippery surfaces.
- Secure long hair so it is above shoulder level to prevent entan glement in any moving parts.
- Keep firm footing and balance. Do not overreach. Overreaching can result in loss of balance.
- Do not allow to be used as a toy. Close attention is necessary when used by or near children.
- Do not use tool if switch does not turn it on or off. Any tool that cannot be controlled with the switch is dangerous and must be repaired.
- Keep all bystanders, children, and pets at least 50 ft. away.
- Carry the hedge trimmer by the handle with the cutter blade stopped. When transporting or storing the hedge trimmer always fit the cutting device cover.
- Do not operate this unit when you are tired, ill, or under the influence of alcohol, drugs, or medication.
- Do not operate in poor lighting.
- Keep all parts of the body away from the cutter blade. Do not remove cut material or hold material to be cut when blades are moving. Make sure the switch is off when clearing jammed material.
- Keep all parts of your body away from any moving parts and all hot surfaces of the unit.
- Use only identical manufacturer's replacement parts and accessories. Use of any other parts may create a hazard or cause product damage.

ELECTRICAL INFORMATION

- Do not charge battery tool in rain, or damp or wet location. Following this rule will reduce the risk of electric shock.
- For household use only.
- For household use only.Battery tools do not have to be plugged into an electrical outlet therefore, they are always in operating condition. Be aware of possible hazards when not using your battery tool or when changing accessories. Following this rule will reduce the risk of electric shock, fire, or serious personal injury.
- For household use only.Battery tools do not have to be plugged into an electrical outlet therefore, they are always in operating condition. Be aware of possible hazards when not using your battery tool or when Remove or disconnect battery before servicing, cleaning or removing material from the gardening appliance.
- Store idle appliances When not in use, the appliance should be stored indoors in a dry, locked place out of the reach of children.
- Do not dispose of the batteries in a fire. The cell may explode. Check with local possible special disposal instructions.
- Do not open or mutilate the batteries. Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
- Do not place battery tooles or their batteries near fire or heat. This will reduce the risk of explosion and possibly injury.
- Batteries can explode in the presence of a source of ignition, such as a pilot light. To reduce the risk of serious personal injury, never use any cordless product in the presence of open flame. An exploded battery can prople debris and chemicals. If exposed, flush with water immediately.
- Do not crush, drop or damage battery pack. Do not use a battery pack or charger that has been dropped or received a

ELECTRICAL INFORMATION

sharp blow.

- Exercise care in handling batteries in order not to short the battery with conducting materials such as rings, bracelets, and keys. The battery or conductor may overheat and cause burns. Do not open or mutilate the batteries. Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
- For best results, your battery tool should be charged in a loca -tion where the temperature is more than 50°F but less than 100°F. To reduce the risk of serious personal injury, do not store outside or in vehicles.
- Under extreme usage or temperature conditions, battery leak -age may occur. If liquid comes in contact with your skin, wash immediately with soap and water, then neutralize with lemon juice or vinegat. If liquid gets into your eyes, flush them with clean water for at least 10 minutes, then seek immediate medi -cal attention. Following this rule will reduce the risk of serious personal injury.
- If the power supply cord is damaged, it must be replaced only by the manufacturer or by an authorized service center to avoid risk.
- Maintain tool with care. Keep fan and blade area clean for best and safest performance. Follow instructions for proper mainte -nance. Do not attempt to clear clogs from tool without first removing the battery pack.
- To reduce the risk of electrical shock, do not expose to rain, do not use on wet surfaces. Store indoors.
- Save these instructions. Refer to them frequently and use them to instruct others who may use this power tool. If you loan someone this power tool, loan them these instructions also.

CHILD SAFETY

Tragic accidents can occur if the operator is not aware of the presence of children.

- Keep children out of the working area and under the watchful care of a responsible adult.
- Do not allow children under the age of 14 to operate this hedger. Children who are 14 years of age and older must read and understand the operating instructions and safety rules in this manual and must be trained and supervised by a parent.
- Stay alert, and turn the hedger off if a child or any other person enters the working area.
- Look behind and down for small children before and while cutting backwards.
- Use extreme care when approaching blind corners, doorways, shrubs, trees, or other objects that may obscure your view of a child who may run into the path of the hedger.

WARNING (PROPOSITION 65)

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints
- Crystalline silica from bricks and cement and other masonry products.
- Arsenic and chromium from chemically treated lumber.

Your risk of exposure to these chemicals varies depending on how often you do this type of work. To reduce your exposure to these chemicals, work in a well-ventilated area, and work with approved safety equipment, such as dust masks that are specially designed to fiter out microscopic partcles.

SYMBOLS

On the product, the rating label and within these instructions you will find among others he following symbols and abbreviations. Familiarise yourself with them to reduce hazards like personal injuries and damage to property.

SLOBMY	NEMA	DNOITANALPXE/NOITANGISE
V	Volts	Voltage
А	Amperes	Current
Hz	Hertz	Frequency (cycles per second)
W	Watts	Power
hrs	Hours	Time
n _o	No Load Speed	Rational speed, at no load
	Class II Construction	Double-insulated construction
/min	Per Minute	Revolutions, strokes, surface speed, orbits etc., per minute
- F	Lithium-Ion Battery Recycling	Designates that this tool is in compliance with Lithium-lon battery recycling program requirements
	Safety Alert Symbol	Precautions that involve your safety.
?	Read the Operator's Manual	To reduce the risk of injury, user must read and understand operator's manual before using this product.
	Eye and Head Protection	Wear eye and head protection when operating this equipment.
	Gloves	Wear non-slip, heavy-duty protective gloves when handling the pole saw and the blade.
	Safety Footwear	Wear non-slip safety footwear when using this equipment.
	Kickback	DANGER! Beware of kickback.
	Risk of Electrocution	DANGER! Risk of electrocution!
*	Electric Shock	Failure to use in dry conditions and to observe safe practices can result in electric shock.
	No Hands Symbol	Failure to keep your hands away from the blade will result in serious personal injury.
	Keep Bystanders Away	Keep all bystanders at least 50' (15 m) away.

The following signal words and meanings are intended to explain the levels of risk associated with this product.

SYMBOL	SIGNAL	MEANING
	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	(Without Safety Alert Symbol) Indicates a situation that may result in property damage.

SERVICE

Servicing requires extreme care and knowledge and should be performed only by a qualified service technician. When servicing, use only identical replacement parts.

To avoid serious personal injury, do not attempt to use this product until you have read this Owner's Manual thoroughly and understand it completely. If you do not understand the warnings and instructions in this Owner's Manual, do not use this product. Call the Toll-free Helpline for assistance.

The operation of any power tool can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before beginning power tool operation, always wear safety goggles or safety glasses with side shields and, when needed, a full face shield. We recommend Wide Vision Safety Mask for use over eyeglasses or standard safety glasses with side shields. Always use eye protection which is marked to comply with ANSI Z87.1.

SAVE THESE INSTRUCTIONS

KNOW YOUR CORDLESS HEDGE TRIMMER

KNOW YOUR PRODUCT

This LawnMaster cordless hedge trimmer features laser cut blades made of special-grade steel. When trimming, slowly cut in a back and forth linear shearing motion. NEVER force the tool, let the tool do the work. The protective tip at the top of the blade prevent unpleasant kickback reactions when hitting walls, fences, etc. Operators are protected by the hedge trimmers two-hand safety switch and quick-stop brake function.

The hand protection guards your hands against twigs and branches. Read the sections below to learn more about each operating function.



Packing List

Carefully unpack the trimmer and check that it is complete:

- Cordless Hedge Trimmer
- 24V Li-Ion Battery Pack

- Blade Scabbard
- Standard 24V Li-ion Battery Charger

You will need: (items not supplied)

Suitable personal protective equipment

If the hedge trimmer blade jams or gets caught on an electrical cord or wires, DO NOT TOUCH THE BLADE FOR ANY REASON! IT CAN BE ELECTRICALLY LIVE AND CAUSE SERIOUS

OR FATAL INJURY! Release or drop the trimmer in the quickest, safest way. If possible, disconnect the dbattery from the tool. If that is not possible, call an electrician, electrical contractor, or the power company for assistance. failure to heed this danger warning will cause serious personal injury and possible death.

Avoid serious injury: The blades coast after turning off. ALWAyS keep both hands on the hedge trimmer handles to prevent your hand from touching the blade.

- Make sure the hedge trimmer switch is off when clearing jammed material from blades. To avoid possible accidental start-ups, remove or disconnect the battery before servicing, cleaning, or removing material from the hedge trimmer.
- DO NOT operate the hedge trimmer when you are tired or your visibility is limited. Do not use the trimmer at night or in reduced light.
- Keep the handles dry, clean, and free from oil and grease.
- DO NOT use the hedge trimmer if the handle guard is damaged.

Unpack

- Unpack all parts and lay them on a flat, stable surface.
- Remove all packing materials and shipping devices if applicable.
- Make sure the delivery contents are complete and free of any damage. If you find that parts are
 missing or show damage do not use the product but contact your dealer. Using an incomplete or
 damaged product represents a hazard to people and property.

Set Up

Carefully remove the blade scabbard from the cutting blades (Fig. 1).



BATTERY PACK AND CHARGER Release/Attach

- Press the release button on the battery pack and remove battery from product (Fig. 2).
- Align the battery pack to the slots at the bottom side of the rear safety guard and slide it in until it locks in place (Fig. 3).





NOTE: Always place blade scabbard over blade when hedge trimmer is not in use or user is performing any maintenance.

Attach/ Release (See Figure 4.)

- Align the battery pack to the slots on the charger and slide it in until it locks in place
- Connect the charger to the power supply.
- Allow sufficient charging time (3-5 hours), and then disconnect the charger from the power supply.
- Press the release button on the battery pack and remove battery from charger.

WARNING: It is normal for the battery pack and charger to become warm (but not hot) during charging process. If the battery does not charge properly, check to make sure the electrical outlet is "live".

WARNING: Always charge the battery before storage! To reduce risk of fire, never leave the battery connected with the charger for more than 24 hours!

CONNECT BATTERY PACK

- Make sure the on/off switch is in its off position.
- Attach the battery pack to the product. Ensure it snaps in place.
- Your product is now ready to be used.



BATTERY PACK AND CHARGER

BATTERY CHARGING

- Do not use other battery chargers. The battery charger supplied is specifically designed for the Lithium-Ion battery used in this garden appliance. This ISM device complies with Canadian ICES-003.
- Check the mains voltage! Battery chargers operate on 100-240 V.
- The battery is charged between -5 °C and 60 °C. This ensures an optimum battery service life.
- Protect the battery from heat, from continuous exposure to sun and keep away from radiation or other heat sources. Do not leave the battery in the hedge trimmer in direct sunlight over long periods.
- The battery is supplied partially charged. To ensure full capacity of the battery, charge the battery before using your appliance for the first time. The Lithium Ion battery can be charged at any time without reducing its service life. Interrupting the charging procedure does not affect the battery.
- Always leaves it fully charged if kept in the charger for storage.

CHARGER LEDS

- If the battery is not inserted, acontinuous red LED light indicates that the mains plug is pugged into a mains socket and the battery charger is ready for operation.
- Charging: a flashing green LED on the charger indicates that the battery is charging normally.
- Charged: continuous green LED on the charger indicates that the battery is ready for use.
- A flashing red LED light on the charger indicates that the battery temperature is not within -5°C-50°C or the charging current is too high.
- After continuous or repeated charging cycles without interruption, the charger may warm up. This is normal and does not indicate a technical defect of the battery charger.

THE LIGHTS ON THE CHARGER INDICATE THE CHARGER STATUS.

Symbol	Indicator lights (22)		Status
S		red, blinking	technical defect
Ц	фГ\`	red, continuous	charging
Ð		green,	fully
Ū		continuous	charged

BATTERY LED PANEL

• The panel consists of 4 LEDs on the battery. Press and hold the botton, then release it, the LEDs will show you the charge leves.

BATTERY PACK AND CHARGER

• The battery's charge level can be checked either when the battery is attached on the machine or removed from the machine.

LEDs on battery (Continuous lighting)	Battery Capacity
4 LEDs (inc 2 green)	Fully charged
3 LEDs (inc 1 green)	≥ 50%
2 LEDs (orange & green)	≥ 25%
1 LEDs (red only)	≤ 25% Recharge required



OPERATION

Starting And Stopping

- Make sure the on/off switch is in its off position.
- Attach the battery pack to the product. Ensure it snaps in place.
- Your product is now ready to be used.

Intended Use

This hedge trimmer CLHT2422 is with rated battery voltage of 24V. This hedge trimmer is charged with a charger which output is 24V.

The product is intended for trimming hedges, bushes and shrubs. Observe the technical data for the maximum cutting capacity. Do not cut branches exceeding the stated maximum capacity. This product is intended for private domestic use only, not for any commercial trade use. It must not be used for any purposes other than those described.

Starting With Two Handed On/Off Switch

- Hold the hedge trimmer with the right hand at the rear handle and with the left hand, squeeze the safety switch found at the front handle.
- Slowly squeeze the on/off switch to power on trimmer (Fig. 5).
- To turn hedge trimmer off simply releace either of the switched and power to unit will stop.



OPERATION

General Operation

- Check the product, its battery pack and charger as well as accessories for damage before each use. Do not use the product if it is damaged or shows wear.
- Double check that accessories or application tools are properly fixed.
- Always hold the product by its handles. Keep the handles dry to ensure safe support.
- Ensure that the air vents are always unobstructed and clear. Clean them if necessary with a soft brush. Blocked air vents may lead to overheating and damage the product.
- Switch the product off immediately if you are disturbed while working by other people entering the working area. Always let the product come to complete stop before putting it down.
- Do not overwork yourself. Take regular breaks to ensure you can concentrate on the work and have full control over the product.

To avoid injury and to reduce the risk of electrical shock or fire:

- Replace the battery pack or charger immediately if the battery case or charger cord is damaged.
- Always make sure the hedge trimmer switch is OFF before inserting or removing the battery pack.
- Always make sure the battery pack is removed and the switch turned OFF, before inspecting, adjusting, or maintaining any other part of the hedge trimmer.
- Read, understand, and follow the Battery Charger instructions.

To avoid personal injury:

- Handle the blade with care.
- Do not place your fingers or hand between the notches in the blade or in any position where they could get pinched or cut.
- Never service the blade or hedge trimmer unless the battery pack is removed.
- Do not use if the blade assembly is damaged or bent. Take to a qualified person to straighten, replace, or sharpen.
- Always keep both hands on the hedge trimmer handles to prevent your hand from touching the blade.

IMPORTANT!

Lubricate the blade before and after each use. Ignoring this step will decrease blade life and hamper operation. (See the Maintenance Section)

Trimming (See figs. 6-7)

- Cut and remove branches exceeding the cutting capacity of this product using a proper pruner before operation.
- Move the cutting device lightly through the cutting surface in a sweeping motion following the shape of the hedge or shrub.
- A slight tilt downwards of the cutting device in the direction of motion is recommended for optimum cutting performance.
- Do not to rush and do not attempt to cut too much with one stroke of the cutting device.
- First cut both sides from the bottom cutting upwards to the top.
- This will prevent any of the trimmings falling into the path of the area still to be cut (Fig. 6).
- After cutting the sides proceed to the top (Fig. 7).



• To store hedge trimmer, remove battery pack from unit and use the convenient protective tip to hang your hedge trimmer out of the way until next use (Fig. 8).





MAINTENANCE

In order to avoid personal injury and the risk of fire and electric shock, remove the battery pack before adjusting, inspecting, or cleaning the hedge trimmer.

Remove The Battery Pack.

- 1. Clean the product with a dry cloth. Use a brush for areas that are hard to reach.
- 2. In particular clean the air vents (5) after every use with a cloth and brush.
- 3. Remove stubborn dust with high pressure air (max. 3 bar).

Check for any damage and wear. Repair damages in accordance with this instruction manual.

Wear safety gloves when working on the cutting device and close to it! Use appropriate tools to remove debris e.g. a brush or wooden stick! Never use your bare hands!

Always wear eye protection when operating or performing any maintenance on this product. Failure to do so, could result in injury.

CLEANING THE BLADES

• Keep the cutting blades clean and free of debris.

NOTE: Remove battery before performing any maintenance.

- Use a brush or high pressure air (max. 3 bar) to remove debris from the blades.
- With gloves on, clean the product with a dry cloth to remove loose material.
- Apply a small amount of suitable lubricant on the cutting device to retain a good cutting performance.
- Keep the cutting device sharp. Have a worn or damaged cutting device replaced with a new one of the same type by a qualified specialist.
- Adjustment of the distance between blades is not necessary, as this is predetermined by the manufacturer.

ENVIRONMENTALLY SAFE BATTERY DISPOSAL



The following toxic and corrosive materials are in the batteries used in this hedge trimmer battery pack: Lithium-Ion, a toxic material.

All toxic materials must be disposed of in a specified manner to prevent contamination of the environment. Before disposing of damaged or worn out Lithium-Ion battery packs, contact your local waste disposal agency, or the local Environmental Protection Agency for information and specific instructions. Take the batteries to a local recycling and/or disposal centre, certified for cadmium disposal.

If the battery pack cracks or breaks, with or without leaks, do not recharge it and do not use. Dis pose of it and replace with a new battery pack. DO NOT ATTEMPT TO REPAIR IT! To avoid injury and risk of fire, explosion, or electric shock, and to avoid damage to the environ ment:

- Cover the battery's terminals with heavy-duty adhesive tape.
- DO NOT attempt to remove or destroy any of the battery pack components.
- DO NOT attempt to open the battery pack.
- If a leak develops, the released electrolytes are corrosive and toxic. DO NOT get the solution in the eyes or on skin, and do not swallow it.
- DO NOT place these batteries in your regular household trash.
- DO NOT incinerate.
- DO NOT place them where they will become part of any waste landfill or municipal solid waste stream.
- Take them to a certified recycling or disposal centre.

WARRANTY POLICY

We take pride in producing a high quality, durable product. This Lawnmaster[®] product carries a limited two (2) years warranty against defects in workmanship and materials from date of purchase under normal household use. If product is to be used for commercial, industrial or rental use, a 30 day limited warranty will apply.

Batteries carry a one-year warranty against defects in workmanship and materials.

Batteries must be charged in accordance with the operator's manual directions and regulations in order to be valid. Warranty does not apply to defects due to direct or indirect abuse, negligence, misuse, accidents, repairs or alterations and lack of maintenance.

Please keep your receipt/packing list as proof of purchase. This warranty gives you specific legal rights, and you may have other rights, which vary from state to state. For product service call Customer Service at (866) 384-8432.

Items not covered by warranty :

- 1. Any part that has become inoperative due to misuse, commercial use, abuse, neglect, accident, improper maintenance, or alteration;
- 2. The unit, if it has not been operated and/or maintained in accordance with the owner's manual;
- 3. Normal wear, except as noted below;
- 4. Routine maintenance items such as lubricants, nylon line;
- 5. Normal deterioration of the exterior finish due to use or exposure.

Transportation Charges :

Transportation charges for the movement of any power equipment unit or attachment are the responsibility of the purchaser. It is the purchaser's responsibility to pay transportation charges for any part submitted for replacement under this warranty unless such return is requested in writing by LawnMaster.

SAVE YOUR RECEIPTS. THIS WARRANTY IS VOID WITHOUT THEM.

EXPLODED VIEW

CLHT2422 EXPLODED VIEW



CLHT2422 PART LIST

ITEM NO.	PART NO.	DESCRIPTION	QTY
1	GH70DC.00.02.X1.01	Rear Handle Assembly	1
1.1	TOTHYY.08.07	Spring	1
2	GH80DC.00.01.X1.01	Front Handle Assembly	1
2.1	TOTHYY.08.07	Spring	1
3	GH85DC.30.10.X2.01	Motor Assembly With Blade	1
3.1	GH85DC.30.12	Protective Top w/ Hang Hole	1
4	GHB0DC.00.01.W3	PCB Board	1
5	GH85DC.00.01	Blade Scabbard	1
6	FO1211.12.00	24V Lithium Ion Battery Charger (24ISC01-ETL)	1
7	FO2211.13.00	24V Lithium Ion Battery (24LB2004)	1
8	GHB0DC.10.00.X1.01	Motor Housing (Left And Right)	1
9	GH13EP.00.07.X1.01	Press Board	1
10	WODQ10.02.20.X1.01	Micro-switch	1