

ENGLISH: Original instructions

LITTLE BEAVER

INSTRUCTION MANUAL

Pole Hedge Trimmer

DUEPHT-20V-4AH



Read before use.

SPECIFICATIONS

Model No	DUEPHT-20V-4AH
Rated Voltage	20V d.c.
No-load Speed	1300 r/min
Blade Length	50cm
Blade Gap	16mm
Blade Type	Double, Laser Cut
Charing Time	up to 160 min
Run Time	up to 100 min
Protection	IPX1

Battery Charger

Model No	DUACHG1-20V-2AH/4A
Rating	input:100-240VAC 50/60Hz 45W max output:21VDC 1.5A 34W max
Protection	IPX4

Battery

Model No	DUABAT-20V-4AH
Technical data	20V 4Ah 80Wh
Protection	IPX0

Recommende doperating temperature	14 – 104°F (-10 – 40°C)
Recommended storage temperature	32 – 104°F (0 – 40°C)
Recommended charging temperature	41 – 95°F (5 – 35°C)

⚠ WARNING: Only use the Authorized battery cartridges and chargers . Use of any other battery cartridges and chargers may cause injury and/or fire.

⚠ WARNING: Do not use a corded power supply such as battery adapter or portable power pack with this machine. The cable of such power supply may hinder the operation and result in personal injury.

Safety, performance, and dependability have been given top priority in the design of your cordless pole hedge trimmer.

INTENDED USE

The cordless pole hedge trimmer is intended only for outdoor use in dry and well-illuminated conditions.

The product is designed for home or domestic use. The product is intended to cut and trim hedges, shrubs, and similar vegetation. The product is not intended for cutting hedges, shrubs, and similar vegetation with diameters greater than its cutting capacity.

Do not use the product for any other purpose.

GENERAL PRODUCT SAFETY WARNINGS

⚠ WARNING! Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

Save all warnings and instruction for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) product or battery-operated (cordless) product.

WORK AREA SAFETY

- **Keep 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.** Power tools create sparks which may ignite the dust or fumes.
- **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

ELECTRICAL SAFETY

- **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

PERSONAL SAFETY

- **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- **Use personal protective equipment. Always wear eye protection.** Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.
- **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
- **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- **Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.
- **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.

POWER TOOL USE AND CARE

- **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
- **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with switch is dangerous and must be repaired.
- **Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.**
- **Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.

- **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.
- **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.
- **Wear ear protection.** Adequate protective equipment will reduce the risk of hearing loss.
- **Hold the pole hedge trimmer by insulated gripping surfaces only, because the blade may contact hidden wiring.** Blades contacting a "live" wire may make exposed metal parts of the pole hedge trimmer "live" and could give the operator an electric shock.
- **Keep all parts of the body away from the blade. Do not remove cut material or hold material to be cut when blades are moving.** Blades continue to move after the switch is turned off. A moment of inattention while operating the pole hedge trimmer may result in serious personal injury.
- **When clearing jammed material or servicing the pole hedge trimmer, make sure all power switches are off and the battery pack is removed or disconnected.** Unexpected actuation of the pole hedge trimmer while clearing jammed material or servicing may result in serious personal injury.
- **Carry the pole hedge trimmer by the handle with the blade stopped and taking care not to operate any power switch.** Proper carrying of the pole hedge trimmer will decrease the risk of inadvertent starting and resultant personal injury from the blades.
- **When transporting or storing the pole hedge trimmer, always use the blade cover.** Proper handling of the pole hedge trimmer will decrease the risk of personal injury from the blades.

BATTERY TOOL USE AND CARE

- **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
- **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another.** Shorting the battery terminals together may cause burns or a fire.
- **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** Liquid ejected from the battery may cause irritation or burns.
- **Do not use a battery pack or tool that is damaged or modified.** Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.
- **Do not expose a battery pack or tool to fire or excessive temperature.** Exposure to fire or temperature above 130°C may cause explosion.
- **Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions.** Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

SERVICE

- **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.
- **Never service damaged battery packs.** Service of battery packs should only be performed by the manufacturer or authorized service providers.

POLE HEDGE TRIMMER SAFETY WARNINGS

- **Do not use the pole hedge trimmer in bad weather conditions, especially when there is a risk of lightning.** This decreases the risk of being struck by lightning.
- **Keep all power cords and cables away from cutting area.** Power cords or cables may be hidden in hedges or bushes and can be accidentally cut by the blade.
- **Check the hedges and bushes for foreign objects, such as wire fences and hidden wiring.**
- **While operating the product, always hold it firmly with both hands by the two handles.**
- **Use the product only at ground level and not on any other unstable support.**
- **Inspect the product before each use.** Check for loose fasteners, etc. Make sure that all guards and handles are properly and securely attached. Replace any damaged parts before use. Check for battery pack leaks.
- **Do not operate the product in poor lighting.** The operator requires a clear view of the work area to identify potential hazards.
- **The use of hearing protection reduces the ability to hear warnings (shouts or alarms).** The operator must pay extra attention to what is going on in the working area.
- **Turn off the product, remove the battery pack, and allow both to cool down. Make sure that all moving parts have come to a complete stop:**
 - before adjusting the working position of the cutting means
 - before servicing
 - before clearing a blockage
 - before checking, cleaning, or working on the product
 - before changing accessories
 - before leaving the product unattended
 - before checking for damage after striking a foreign object
 - before performing maintenance
 - whenever the product starts to vibrate abnormally
- **Do not force the product through heavy shrubbery.** This

ADDITIONAL SAFETY WARNINGS

can cause the blades to bind and slow down. If the blades slow down, reduce the pace.

- If the product is dropped, suffers heavy impact, or begins to vibrate abnormally, immediately turn off the product and inspect it for damage or identify the cause of the vibration. Any damage should be properly repaired or replaced by an authorised service centre.
- Do not wear multiple belt or shoulder harnesses.
- Operate the product only in temperature between -1 0°C and 40°C.
- Store the product in a location where the ambient temperature is between 0°C and 40°C.
- Injuries may be caused, or aggravated, by prolonged use of the product. When using any product for prolonged periods, ensure to take regular breaks.

ADDITIONAL BATTERY SAFETY WARNINGS

- To reduce the risk of fire, personal injury, and product damage due to a short circuit, never immerse the tool, battery pack, or charger in fluid or allow fluid to flow inside them. Corrosive or conductive fluids, such as seawater, certain industrial chemicals, and bleach or bleach-containing products, etc., can cause a short circuit.
- Charge the battery pack in a location where the ambient temperature is between 5°C and 35°C.
- Store the battery pack in a location where the ambient temperature is between 0°C and 40°C.
- Use the battery pack in a location where the ambient temperature is between -10°C and 40°C.

TRANSPORTATION AND STORAGE

- Turn off the product, remove the battery pack, and allow both to cool down before storing or transporting.
- Remove all foreign materials from the product. Store the product in a cool, dry, and well-ventilated area that is inaccessible to children. For extra safety, store the battery pack separately from the product. Keep the product away from corrosive agents, such as garden chemicals and de-icing salts. Do not store the product outdoors.
- Fit the blade cover before storing the product or during transportation.
- For transportation, secure the product against movement or falling to prevent injury to persons or damage to the product.

TRANSPORTING LITHIUM BATTERIES

Transport the battery in accordance with local and national provisions and regulations.

Follow all special requirements on packaging and labelling when transporting batteries by a third party. Ensure that no batteries can come in contact with other batteries or conductive materials while in transport by protecting exposed connectors with insulating, non-conductive caps or tape. Do not transport batteries that are cracked or leaking. Check with the forwarding company for further advice.

MAINTENANCE

- Use only original manufacturer's replacement parts, accessories, and attachments. Failure to do so can cause possible injury, can contribute to poor performance, and may void your warranty.
- Servicing requires extreme care and knowledge and should be performed only by a qualified service technician. Have the product serviced by an authorised service centre only.
- The blades are extremely sharp. To prevent personal injury, exercise extreme caution when cleaning, lubricating, fitting, or removing the blade cover.
- Remove the battery pack before adjusting, maintaining, or cleaning the product.
- You may make adjustments and repairs described in this manual. For other repairs, have the product serviced by an authorised service centre only.
- After each use, clean the plastic parts with a soft, dry cloth.
- After each use, clean the debris from the blades with a stiff brush, and then carefully apply a rust preventative lubricant before refitting the blade protector. The manufacturer recommends using rust preventative lubricant spray to apply an even distribution and reduce the risk of personal injury from contact with the blades. For information about a suitable spray product, check with an authorised service centre.
- Check all nuts, bolts, and screws at frequent intervals for proper tightness to ensure that the product is in safe working condition. Any part that is damaged should be properly repaired or replaced by an authorised service centre.

SYMBOLS ON THE PRODUCT



Safety alert



Read and understand all instructions before operating the product. Follow all warnings and safety instructions.



Wear eye, ear, and head protection.



Wear non-slip safety footwear when using the product.



Wear non-slip, heavy duty gloves.



Do not expose the product to rain or damp conditions.



To prevent serious injury, do not touch cutting blades.



Keep sufficient distance away from electrical power lines.

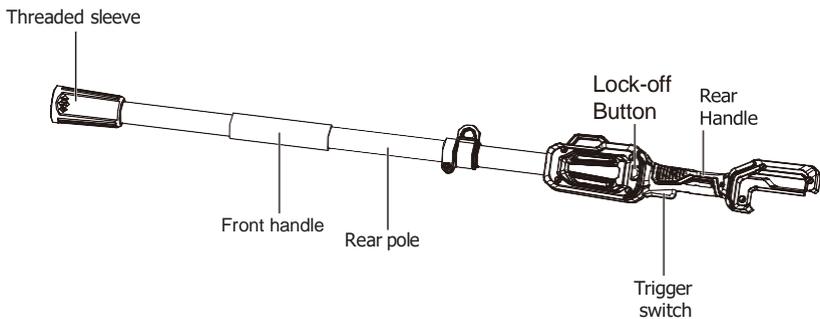
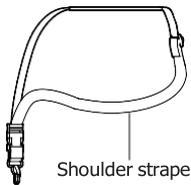
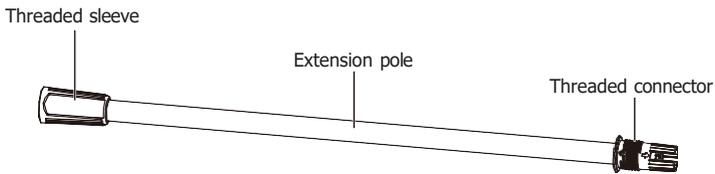
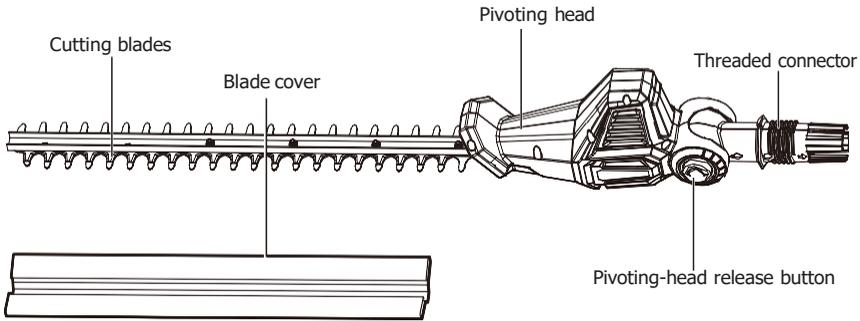


Beware of thrown or flying objects. Keep all bystanders, especially children and pets, at least 15 m away from the operating area

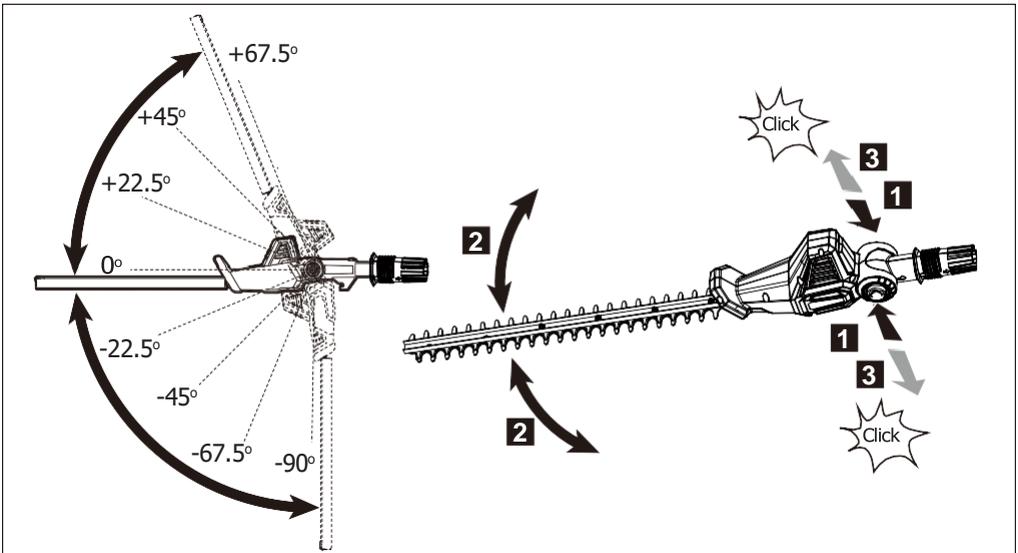
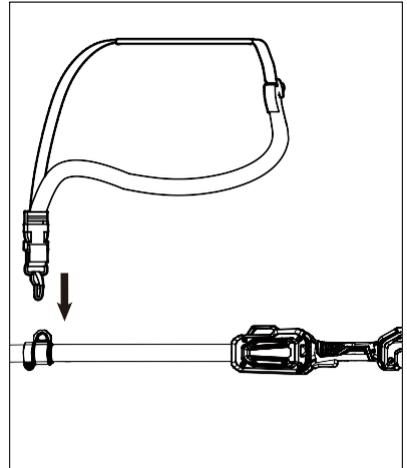
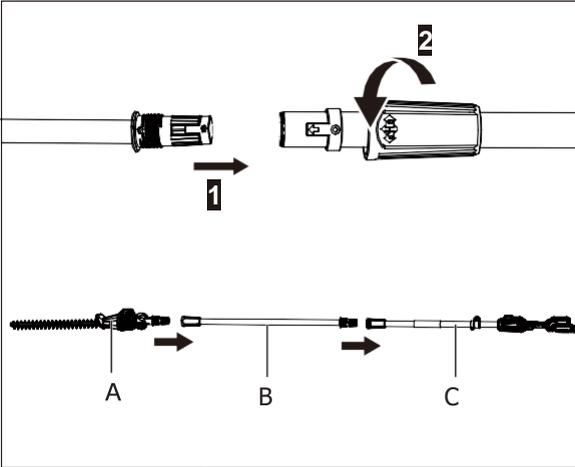


Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

KNOWING YOUR HEDGE TRIMMER



ASSEMBLY AND ADJUSTMENTS



• Assembly instructions

! remove battery from tool

• Attaching the poles

-Fit the front pole A to rear pole C, tighten them together with the threaded sleeve by rotating it. Make sure that both parts are properly fitted.

-If a larger cutting height is needed, fit the front pole A together with one end of the extension pole B, tighten them together with the threaded sleeve by rotating it. Make sure that both parts are properly fitted, Then repeat this process to attach the other end of the extension pole B to the rear pole C.

ATTACH SHOULDER STRAP

A shoulder strap is supplied with the pole hedgetrimmer.

Attach the hook on the adjustable end of the shoulder strap to the lower body loop .

• Adjusting the pivoting head

- Press the two pivoting-head release buttons simultaneously
- Turn the pivoting head to the desired position by moving the pivoting head up or down
- Release the pivoting-head release buttons and make sure that the pivoting head is properly locked.

Pivoting head D can be positioned at one of the 8 different angles.

ASSEMBLY AND ADJUSTMENTS

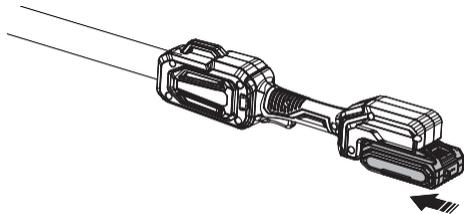
⚠ WARNING: Always be sure that the tool is switched off and the battery is disconnected before adjusting, adding accessories, or checking a function on the tool.

INSTALLING OR REMOVING THE BATTERY PACK

IMPORTANT! The battery pack is not fully charged when it is purchased. Before using the tool for the first time, charge the battery pack. Make sure to read all safety precautions and follow the instructions in the Charging Battery section.

⚠ WARNING: Always be sure that the tool is switched off before insertion or removal of the battery pack.

- To install the battery pack, slide the battery pack into the end of the tool housing all the way until it locks in place with a click, as shown on the right. Lightly pull on the battery to ensure it is locked into place and will not accidentally fall out of the tool.
- To remove the battery pack, pull the battery pack away from the tool while depressing the battery locking tab



IMPORTANT! DO NOT remove the blade assembly unless it needs sharpening, straightening, or replacing. Take it to a qualified person for repair.

OPERATION

⚠️WARNING: 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.

APPLICATIONS

You may use this product for the purposes listed below.

- Trimming hedges, shrubs, and bushes with branch diameters less than 16mm

Before each use, inspect the entire product for damaged, missing, or loose parts such as screws, nuts, bolts, caps, etc. Securely tighten all fasteners and caps and do not operate this product until all missing or damaged parts are replaced.

HOLDING THE POLE HEDGE TRIMMER

The unit has both a front and rear handle. With the blade directed away from you, hold the unit by both handles. The switch in the front handle can be activated on any of the three sides, giving you many choices for a comfortable grip when performing cutting operations.

⚠️WARNING: Always keep both hands on the hedge trimmer handles. Never hold shrubs with one hand while operating the hedge trimmer with the other hand. Failure to heed this warning may result in serious injury.

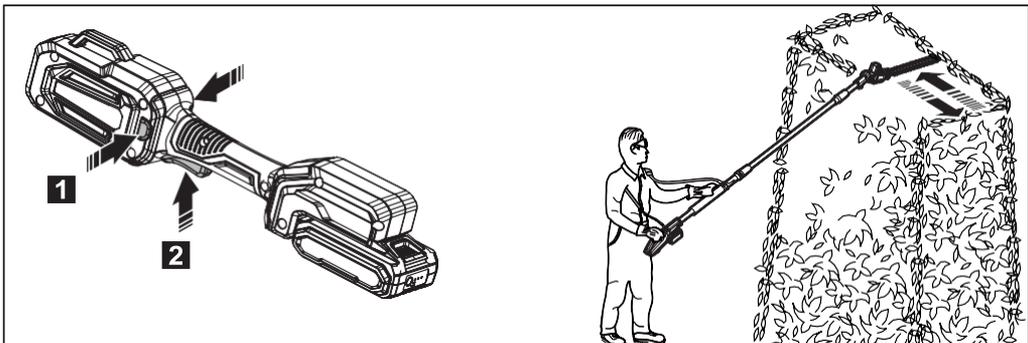
STARTING AND STOPPING THE POLE HEDGE TRIMMER

The pole hedge trimmer has a on/off switch and a lock-off safety button used together to prevent accidental start-ups.

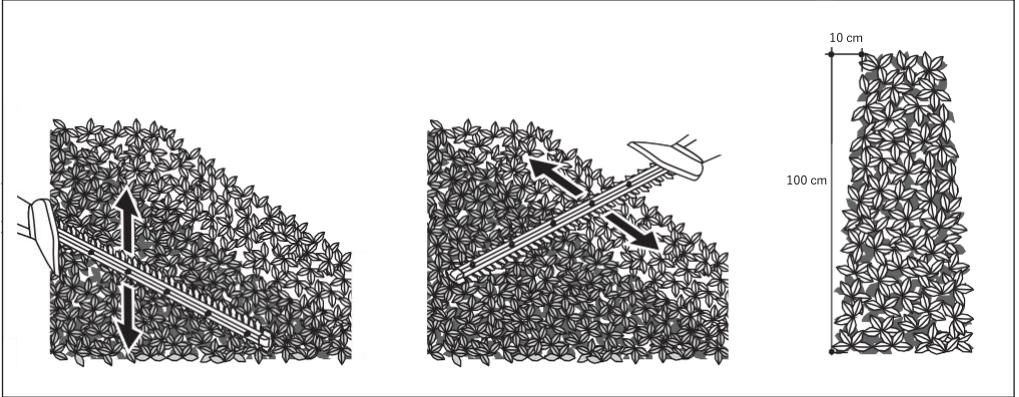
Step 1. Press lock-off safety switch

Step 1. Pull trigger switch - switch off the tool by releasing trigger switch

Note: Operating the tool - firmly grasp the front handle with one hand and the rear handle with the other hand, and take a secure stance- guide the tool ahead of you.



OPERATION



- Trimming hedges
 - trim the sides of the hedge first (from the bottom upwards), then cut the top
 - trim the side of a hedge in such a way that it will be slightly narrower at the top
 - use a hand saw or pruning shears to cut thicker branches

APPLICATION ADVICE

- For trimming a hedge at a uniform height level
 - fasten a piece of string along the length of the hedge at the desired height
 - trim the hedge just above this string
- Recommended cutting/trimming times (Western Europe)
 - trim hedges with deciduous leaves in June and October
 - trim evergreen hedges in April and August
 - trim conifers and other fast-growing shrubs every 6 weeks from May until October

- ! **Be certain the threaded sleeves of the poles are fully tightened before operating the tool. Check it periodically for tightness during use to avoid serious personal injury.**
- ! **Ensure the pivoting head is properly locked before operating the tool.**
- ! **start trimming only when motor is running**
- ! **do not overload the tool by cutting stems larger than 16 mm in thickness**
- ! **do not operate within 15m of overhead electrical lines**
- ! **do not use the hedge trimmer near power lines, fencing, posts, buildings, or other immovable objects**
- move tool away from cutting area before switching off
- ! **after switching off the tool the blades continue to move for a few seconds**

MAINTENANCE

CLEANING

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, dust, oil, grease, etc.

⚠ WARNING: Do not at any time let brake fluids, gasoline, petroleum-based products, penetrating oils, etc., come in contact with plastic parts. Chemicals can damage, weaken or destroy plastic which may result in serious personal injury.

Electric tools used on fiberglass material, wallboard, spackling compounds, or plaster are subject to accelerated wear and possible premature failure because the fiberglass chips and grindings are highly abrasive to bearings, brushes, commutators, etc. Consequently, we do not recommend using this tool for extended work on these types of materials. However, if you do work with any of these materials, it is extremely important to clean the tool using compressed air.

SHARPENING THE CUTTING BLADE

1. Start and stop your hedge trimmer until the cutter blade and the guard are slightly offset. This will allow clearance for the file between cutter teeth and guard teeth.
2. Remove the battery pack from your hedge trimmer.
3. Clamp the blade assembly in a vise and file the exposed cutting surface of each blade tooth. Remove as little material as possible. Be sure to retain the original angle of each tooth when filing.
4. Remove the hedge trimmer from the vise; restart it and stop it to expose the unsharpened edges of the blade teeth.
5. Remove the battery pack and repeat the sharpening procedure above.

LUBRICATING THE BLADE

For best operation and longer blade life, lubricate the hedge trimmer blade with light weight machine oil before and after each use.

1. Remove the battery pack from the hedge trimmer.
2. Lay the hedge trimmer on a flat surface. Apply some light weight machine oil along the edge of the top blade. If you will be using the hedge trimmer for an extended period, it is advisable to stop, remove the battery, and oil the blade during use.

NOTE: Do not oil the blade while the hedge trimmer is running.

TRANSPORTING AND STORING

- Always place the blade cover on the blade before storing or transporting the hedge trimmer. Use caution to avoid the sharp teeth of the blade.
- Clean the hedge trimmer thoroughly before storing.
- Store the hedge trimmer indoors, in a dry place that is inaccessible to children.
- keep away from corrosive agents such as garden chemicals and deicing salts.

⚠ WARNING: Blades are sharp. When handling the blade assembly, wear non-slip, heavy-duty, protective gloves. Do not place your hand or fingers between blades or in any position where they could get pinched or cut. NEVER touch blades or service the unit with battery pack installed.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
Motor fails to start when switch is depressed.	Battery is not secure.	To secure the battery pack, make sure the latches on the top of the battery pack snap into place.
	Battery is not charged.	Charge the battery pack according to the instructions included with your model.
Motor runs but cutting blades do not move.	Hedge Trimmer damaged.	Call for Authorized technical service. Do not use hedge trimmer.
Hedge trimmer smokes during operation.	Hedge Trimmer damaged.	Call for Authorized technical service. Do not use hedge trimmer.
Motor hums, blades do not move.	Debris or other may be jamming the blades.	Remove battery, clear debris blockage from blades.

Protecting the environment

Z Separate collection. Products and batteries marked with this symbol must not be disposed of with normal household waste.

Products and batteries contain materials that can be recovered or recycled reducing the demand for raw materials. Please recycle electrical products and batteries according to local provisions.