

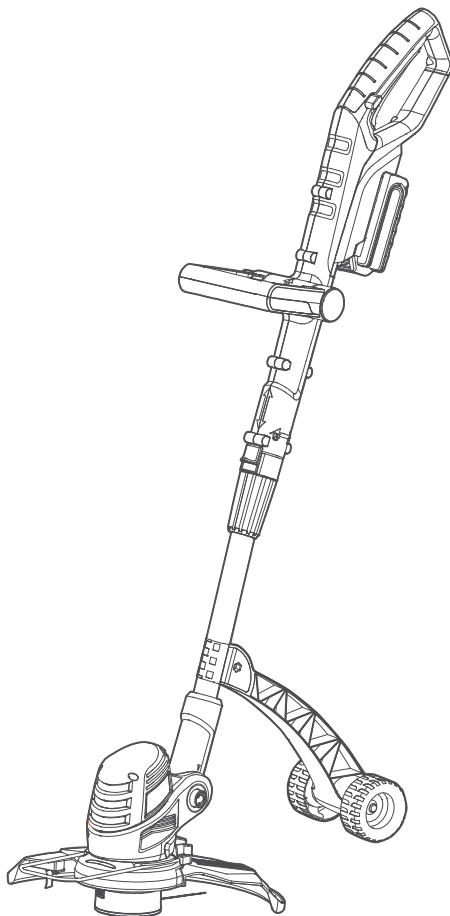
# LawnMaster<sup>®</sup>

## Instruction Manual


24V Lithium-ion Cordless Grass Trimmer CLGT2425S

CLGT2425S-01 (With Battery and Charger)

CLGT2425S-BARE (Battery and Charger Not Included)

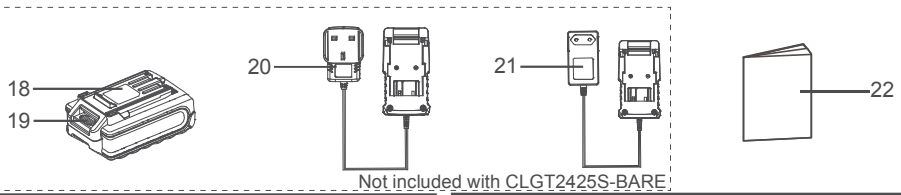
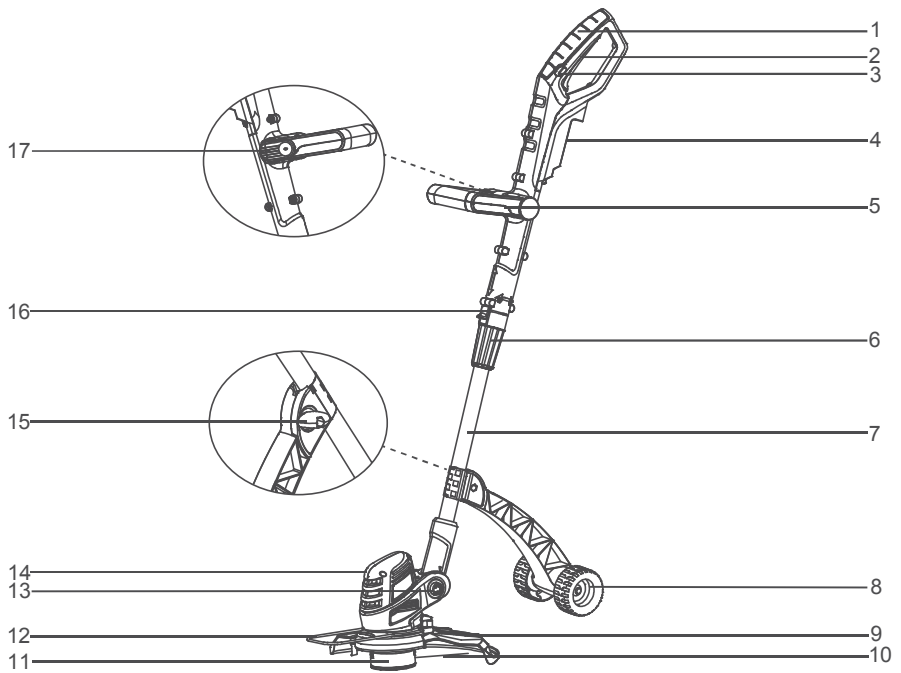


Original Instructions

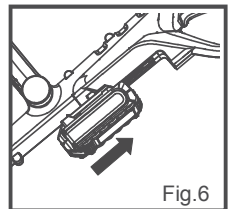
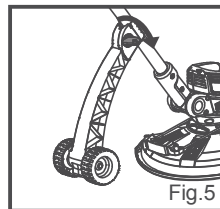
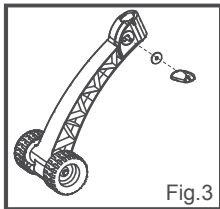
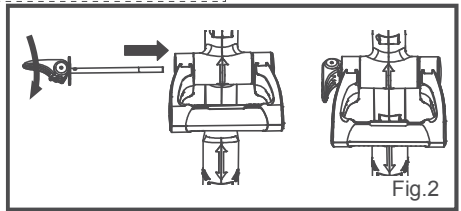
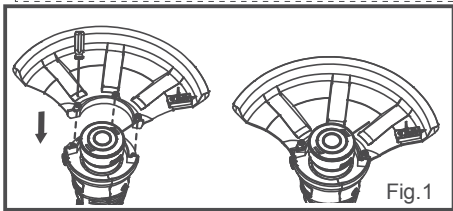
 **WARNING:** Read all safety instructions carefully before assembling and operating this machine. Ensure the machine has been assembled correctly and safely. Keep the instructions safe and pass them on to any subsequent user so that the information is always available.







Not included with CLGT2425S-BARE



















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# SYMBOLS

The following warning symbols appear throughout this manual and indicate the appropriate safety measures you should take when operating and maintaining the appliance.

SYMBOL	DESIGNATION/EXPLANATION
	Caution
	Read instruction manual.
	Keep bystanders away.
	Do not expose to rain.
	Wear eye protection.
	Wear hearing protection.
	Disconnect the battery pack before any repair or maintenance.
	Noise level specification Lwa in dB(A).
	The cutting head will continue to rotate for a few seconds after the equipment has been switched off. Keep hands and feet well away.
	Beware of objects being thrown by the machine. Keep bystanders a safe distance away from the machine.
	Protection Class II
	Cutting Width
	Only recharge battery packs with the supplied charger indoors.
	Fuse.
	Do not dispose of electrical equipment in domestic waste.
	Batteries contain Li-ion, waste batteries should be sorted for ecofriendly disposal. Do not dispose of waste batteries as unsorted municipal waste.

## SYMBOLS

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SYMBOL	DESIGNATION/EXPLANATION
	Do not dispose of battery packs in rivers or immerse in water.
	Do not dispose of battery packs in fire.
	Do not subject the battery to direct sunlight over long periods and do not leave it on or near a heat source (max. 60°C).
	Recycle electrical waste products in an environmentally safe way where facilities exist.



## WARNING

To avoid serious personal injury, do not attempt to use this product until you read thoroughly and understand completely the instruction manual.

If you do not understand the warnings and instructions in the instruction manual, do not use this product.

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## SAFETY INFORMATION

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### WARNING

Read the instructions carefully. Be familiar with the controls and the correct use of the appliance.

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#### Personal Safety

- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- Use the appropriate appliance for the required job. This device is only intended for trimming grass outdoors in domestic and private gardens.
- Consider the work area and environment before each use. Do not expose the machine to high humidity or rain. Do not use the machine in damp and wet conditions. Keep the work area well lit.
- Keep all bystanders, children, and pets away. The operator is responsible for accidents or hazards occurring to other people or property.
- Grip the machine securely. Keep your finger off the trigger until you are ready to use the machine.
- Never reach towards rotating parts with your hands or feet when the product is running. Only remove trimmings when the product is switched off and the battery pack removed.
- Before each use, carefully check the machine for damage.

## SAFETY INFORMATION

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Check for alignment of moving parts, binding of moving parts, breakage of parts, mountings and any other conditions that may affect its correct operation. Do not use the tool if any parts are damaged or defective. Have any damaged or defective parts repaired or replaced by a qualified person.

- When not in use, tools should be stored in a dry, safe place out of the reach of children.
- Maintain tools with care. Keep tools clean and in good condition for better and safer operation. Follow the instructions in the 'Maintenance' section. Keep handles and switches dry, clean and free from oil and grease.

### General Safety

- Stay alert, watch what you are doing and use common sense when operating an appliance. Do not use the appliance while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating the appliance may result in serious personal injury.
- Always wear personal protective equipment when operating this product. Eye protection, non-slip safety shoes and hearing protection used for appropriate conditions will reduce personal injuries.
- Do not overreach to operate the product. Keep firm footing and balance at all times. This enables better control of the power tool in unexpected situations.
- Ensure you always wear appropriate clothing while operating the machine. Do not wear loose clothing, long hair or jewelry as these can be caught in moving parts.



## SAFETY INFORMATION

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- Only work in good daylight or appropriate and adequate artificial light.
- Never operate the trimmer with damaged guards or without the safety guards fitted.
- Do not fit the trimmer with a metal cutting element; this tool is designed only to be used with nylon cutting line.
- Only use approved replacement parts and accessories made for this machine by the manufacturer. Failure to do so can result in personal injury.
- Remove the battery pack from the product before carrying out any maintenance or cleaning work, and while the product is not in use or storage.
- Remain in a stable and secure position while operating the trimmer.
- Always ensure that ventilation openings are kept clear of debris.
- Do not cut against hard objects. This could cause personal injury or damage to the trimmer.
- Warning! Cutting elements continue to rotate after the motor is switched off.
- Do not try stopping the cutting device (nylon line) with your hands. Always let it come to a stop by itself.
- Do not use the trimmer to cut grass which is not in contact with the ground; for example do not cut grass which is on walls or rocks etc.
- Do not cross roads or gravel paths with the trimmer still running.
- Always maintain a secure footing while working. Be especially careful when working on sloping terrain.
- Always maintain a safe operating distance. Ensure the

## SAFETY INFORMATION

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cutting line never comes into contact with the operator's body, especially hands and feet.

- Only operate the trimmer when the cutting line is facing away from the user.
- Make sure the working area is free from stones, rubble, wire or other foreign bodies before operating the trimmer.

### Battery Safety Information

- 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. Incorrect use may result in electric shock, overheating or leakage of corrosive liquid from the battery.
- Do not place appliances or their batteries near fire or heat sources. Continuous intense sunlight, fire or other heat sources may cause an increased danger of explosion.
- Do not crush, drop or damage the battery pack. Do not use a battery pack or charger that has been dropped or received a sharp blow. A damaged battery is subject to explosion. Properly dispose of a dropped or damaged battery immediately.
- 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 an open flame. An exploded battery can propel debris and chemicals. If exposed, flush with water immediately.
- Do not charge battery in a damp or wet location. Following this rule will reduce the risk of electric shock.

## SAFETY INFORMATION

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- For best results, your battery tool should be charged in a location where the temperature is more than 4°C but less than 40°C.
- Under extreme usage or temperature conditions, battery leakage may occur. If liquid comes in contact with your skin, wash immediately with soap and water. If liquid gets into your eyes, flush them with clean water for at least 10 minutes, then seek immediate medical attention.
- When the 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 sparks, burns, or a fire.
- Do not open up the battery and avoid mechanical damage to the battery. Risk of short circuit and fumes may be emitted. Ensure fresh air and seek medical assistance in the event of discomfort.
- Always remove battery pack before storing the device. When battery becomes fully charged, unplug the charger from the power supply and remove the battery pack from the charger.
- Keep battery pack dry, clean, and free from oil and grease. Always use a dry cloth when cleaning. Never use brake fluids, gasoline, petroleum-based products, or any solvents to clean battery pack.

### Charger Safety Information

- Ensure the battery pack is charged indoors only, in a dry, cool and well-ventilated environment.

## **SAFETY INFORMATION**

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- Do not use non-rechargeable batteries!
- Do not operate the charger with a damaged cord or plug, which could cause shorting and electric shock. If damaged, immediately discontinue use. Replace the charger with the identical unit as listed in the Product Specifications in this manual. If the power cord for this equipment is damaged, it must be replaced by the manufacturer, a customer service agent of the same or a fully qualified personal in order to prevent hazards.
- The plug of the charger must match the outlet. Never modify the plug in any way. Unmodified plugs and matching outlets will reduce the risk of electric shock.
- Allow a hot battery to cool before charging.
- Before each use, check the charger, cable and plug. Do not use a defective charger and do not disassemble the charger. Incorrect reassembly may result in the risk of fire, electric shock or electrocution.
- Protect the charger against moisture and wet conditions. There is a danger of electric shock.
- Operate the charger only with the appropriate original batteries. Charging other batteries may result in injuries and risk of fire.
- Keep the cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- Do not use a charger that has been dropped or received a sharp blow.
- The voltage indicated on the charger rating plate must correspond to the voltage of the power source.
- Never touch the mains plug with wet hands.

# SAFETY INFORMATION

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## Intended Use

- 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. Any use of the machine that deviates from its intended use and is not included in these instructions is considered unauthorised use and relieves the manufacturer from his or her legal liability.

## IN THE BOX

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- |   |  |
|---|--|
| 1. Main Handle                          | 13. Head Adjustment Button   |
| 2. On/Off Trigger                       | 14. Motor Housing  |
| 3. Lock-off Switch                      | 15. Wing Knob  |
| 4. Battery Housing                      | 16. Angle Adjustment Button  |
| 5. Auxiliary Handle                     | 17. Quick Release Knob   |
| 6. Locking Collar                       | 18. MX 24V 2.0Ah Battery Pack*   |
| 7. Telescopic Shaft                     | 19. Release Button   |
| 8. Supporting Wheels                    | 20. MX 24V Battery Charger with BS Plug<br>(included in UK products only)*           |
| 9. Safety Guard with Line Cutting Blade | 21. MX 24V Battery Charger with VDE Plug<br>(included in mainland EU products only)* |
| 10. Trimming Line                       | 22. Instruction Manual   |
| 11. Trimmer Head with Line Spool        |  |
| 12. Plant Protector                     |  |

\*Not included with CLGT2425S-BARE

# ASSEMBLY

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## Assembly Preparation

- Carefully remove all contents from the product packaging.
- Ensure you have all the accessories and tool(s) needed for assembly and operation. This also includes suitable personal protective equipment.

## Fitting the Safety Guard (See Fig. 1)

- Position the safety guard over the trimmer head and onto rear of the motor housing as shown.
- Secure the guard with screws using a screwdriver (Fig. 1).



## WARNING

The trimming line cutting blade on the safety guard is sharp. When fitting the guard avoid contact with the blade. Failure to avoid contact can result in serious personal injury.

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## Attaching the Auxiliary Handle (See Fig. 2)

- Loosen the quick release knob anti-clockwise and remove it from the auxiliary handle.
- Pull the ends of the auxiliary handle to extend the handle and slide it over the handle holder.
- Insert in the quick release knob and tighten clockwise by hand. To lock the auxiliary handle in place, fold the knob inwards using moderate force. If it feels too tight when folding in, turn it anti-clockwise to loosen. Do not use excessive force (Fig. 2).

## Supporting Wheels (Optional Use) (See Figs. 3-5)

- Loosen the wing knob anti-clockwise. Remove the wing knob and washer from the supporting wheels (Fig. 3).
- Put the supporting wheels onto the telescopic shaft (Fig. 4).
- Re-install the washer and the wing knob and tighten clockwise by hand to fix the supporting wheels (Fig. 5).

**NOTE:** The position of the supporting wheels can be adjusted by loosening the wing knob and moving to the desired position. The supporting wheels can be moved to up and down the telescopic shaft depending on the height of cut required.

Cut taller grass in stages; remove the supporting wheels when cutting long grass.

## Installing and Removing the Battery Pack (See Fig. 6)

- Insert the battery pack along the support rails into the battery housing. Ensure it clicks firmly into place (Fig. 6).
- To remove the battery pack, press the release button on the battery and remove from the trimmer.



## WARNING

Do not insert the battery until the product is fully assembled. Risk of injury!

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# OPERATION

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## Battery Pack Operation

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### WARNING

Use only with 24V Lawnmaster® Chargers: MX 24V HYCH0132400500B (EU), HYCH0132400500G (UK), 24LFC12-01 (UK) or 24LFC12-03 (EU).

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The battery charger supplied is specifically designed for the lithium-ion battery used in this garden appliance and may cause risk of fire if used with a non-compatible battery pack.

Check the power voltage! Battery chargers operate on 100-240V AC.

Ensure the battery is charged between 4°C and 40°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 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.

## Charger Operation (See Fig. 7)

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### WARNING

Use only with 24V Lawnmaster® MX 24V 24LB2004-C or MX 24V 24LB4005-C battery.

If any part of the charger is missing or damaged, do not operate it! Replace the charger with a new one. Failure to pay attention to this warning could result in possible serious injury.

Check the voltage! The voltage must comply with the information on the rating label.

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- Align the battery pack with the slots on the charger. Slide the battery pack in until it locks into place (Fig. 7).
- Connect the charger to the power supply.
- After the battery is charged, it is suggested that the charger be disconnected from the power supply.
- Press the release button on the battery pack and remove it from the charger.

**NOTE:** It is normal for the battery pack and the charger to become warm during charging process. If the battery does not charge properly, check to make sure the electrical outlet is operational. Always charge the battery before storage!

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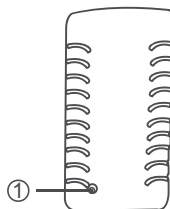
## OPERATION

### ■ Charger LED ( ① )

- If the battery is not connected to the charger, a **continuous green LED light** indicates that the plug is plugged into an outlet socket and the battery charger is ready for operation.
- Charging: a **continuous red LED** on the charger indicates that the battery is charging normally.
- Charged: a **continuous green LED** on the charger indicates that the battery is ready for use.
- **Charging Paused**: a **flashing red LED light** on the charger indicates that charging is paused. Battery temperature is not within the charging temperature range of 4°C and 40°C or the charging voltage is too low. As soon as the permitted temperature is reached, the battery charger will automatically switch to charging.
- 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 indicator lights on the charger show the charger status:

INDICATOR LIGHT	STATUS
Red, continuous	Charging
Green, continuous	Fully charged / Connected to power supply (Standby)
Red, flashing	Charging paused



### Switching On and Off (See Fig. 8)



## WARNING

Risk of injury! Do not operate the appliance without the safety guard.

To operate the appliance, wear suitable clothing, eye and ear protection.

Prior to every use, check that the appliance is operative. Do not block the on/off trigger or the lock-off switch. The switch and trigger must reliably turn off the motor when you release the switch. Do not operate the appliance if one of the switches is damaged.

**NOTE:** Maintain a firm stance and hold the appliance well with both hands and away from your body. Before turning on the appliance, check that it will not touch any objects.

- Make sure that the battery is installed properly.
- Press the lock-off switch on either side and hold it in position. Activate the on/off trigger to operate. Once started release the lock-off switch (Fig. 8).
- To switch off, release the on/off trigger. There is no continuous operation mode.



## OPERATION

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### WARNING

After turning off the appliance, the trimmer head will continue to rotate for some time. Allow the trimmer head to come to a complete standstill. Keep hands and feet well away. Risk of injury!

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#### **Cutting Device - Advancing the Trimmer Line (See Fig. 9)**

**NOTE:** A short or worn trimming line will not cut well. If you notice reduced cutting performance, you should check if there is enough trimming line on the spool. Remove the battery pack before inspection. For spool replacement, refer to the Spool Replacement instructions in the Maintenance section.

This trimmer is equipped with an automatic single line mechanism. To release more line, start and stop the trimmer 2 - 3 times.

The trimming line extends automatically during every starting process. For the correct functioning of the automatic line extension mechanism, the spool must stop completely before you restart the trimmer. If the trimming line is initially longer than the cutting diameter, it is automatically shortened to the right length by the line cutting blade.

**NOTE:** Regularly check the trimming line for damage and whether the line still has the correct length defined by the line cutting blade.

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### WARNING

The excess line that is cut off has a chance of hitting the user or other objects. Keep hands and feet well away.

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#### **When no line end is visible:**

Replace the line spool (see Spool Replacement instructions in the Maintenance section).

#### **Adjusting the line length manually:**

Switch off the trimmer and remove the battery. Press the line release button ( ② ), pull the end of the trimming line out and release line release button (Fig. 9). Avoid releasing very long length of the trimming line.

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# OPERATION

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## Safety Guard

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## WARNING

The line cutting blade on the safety guard is delivered with a protective covering. Ensure this is removed before first use. Beware of sharp edges.

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The device is fitted with a safety guard to protect the operator against thrown objects during operation. Ensure this is always fitted.

### Auxiliary Handle (See Fig. 10)

The auxiliary handle can be set to various positions. Set the handle in such a manner that the trimmer head is slightly tilting forwards when in the working position.

- Loosen the quick release knob.
- Move the auxiliary handle to desired position (Fig. 10).
- Tighten the quick release knob clockwise and fold it to secure.


### Telescopic Shaft (See Fig. 11)

The telescopic shaft allows you to adjust the trimmer to suit your height.

- Loosen the locking collar. 
- Adjust the telescopic shaft to the correct length and tighten the locking collar (Fig. 11).

### Trimmer Head Angle (See Figs. 12-14)

Adjust the angle of the trimmer head according to the intended operation.

- Push down the angle adjustment button and hold it in position (Fig. 12).
- Turn the handle section to adjust to desired angle. 

Adjust to 0° when trimming grass on flat ground (Fig. 12). Adjust to 90° or 180° when trimming near edges and walls (Fig. 13 & 14).

- Ensure that the angle adjustment button snaps into place.
- 



## WARNING

Always ensure that the angle adjustment button snaps into place! Only adjust to indicated angles. Never adjust to any other intermediate position!

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# OPERATION

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## Pivoting Head (See Fig. 15)

- The trimmer head has 5 different adjustable positions.
- To adjust the trimmer head, press the head adjustment button and angle the trimmer head to the desired position (Fig. 15).

## Plant Protector (See Fig. 16)

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# WARNING

Only adjust the plant protector position when the product is switched off and the trimmer head is at a complete stop.

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Use the plant protector to keep a safe distance from trees and flowers or other objects that could be hit by the trimmer head.

Push the plant protector to its outer position for operation until it snaps into place.

Push the plant protector to its inner position until it snaps into place after operation and when storing (Fig. 16).

## Trimming (See Figs. 17-21)

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# WARNING

Ensure the protective tape on the line cutting blade is removed before use and the safety guard is always fitted to the trimmer.

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- Adjust the trimmer head into the correct position for the desired cutting method and make sure the shaft rotated to the 0° position (see Trimmer Head Angle instructions above).
- Hold the grass trimmer firmly and ensure you keep your balance with your feet apart.
- Move the trimmer slowly from side to side in a swinging motion. Ensure the cutting device remains clean and free from off-cuts that may cause it to jam. Check regularly (Fig. 17).
- Hold the grass trimmer head at an angle of approximately 30° to the ground. Avoid pressing it against the ground as this can cause damage to the lawn and product (Fig. 18).

### NOTE!

- When cutting longer or higher grass, make sure that you cut this down in 2 or 3 stages. Do not cut long grass in one cut (Fig. 19).
  - Do not cut wet grass, this can stick to the cutting device and guard and prevents proper discharge of grass clippings.
  - Wait until the product has come to a complete stop before placing it down.
-

## OPERATION

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- Regularly remove clippings and dirt from around the spool and guard. Ensure the product is switched off and the battery removed.
- Pay attention when performing work close to trees and bushes. The cutting device can damage sensitive bark, and damage fence posts.
- Do not move the product too fast as this will result in ineffective cutting and possible damage.
- Carefully manoeuvre the product around objects, such as trees and bushes, ensuring it does not come into contact with them. Use the plant protector to ensure that the cutting device does not come into contact with sensitive plants (Fig. 20).
- Use the plant protector to avoid bringing the cutting device into contact with hard objects such as walls and curbs (Fig. 21).

### Vertical Cutting/Lawn Edge Trimming (See Figs. 22-23)

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## WARNING

Be particularly careful and attentive when holding the trimmer head vertically. To avoid injuries, keep enough distance to the trimmer head.

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Setup for vertical trimming (Fig. 22):

Move the trimmer to the right and left in a slow swinging motion to trim slopes and steep inclines.

- Adjust the trimmer head angle to 180°.
- Adjust the trimmer head position to 0°.
- Keep the plant protector in storage position.

Setup for edge trimming (Fig. 23):

To trim lawn edges, slowly move the appliance along the lawn edges.

- Adjust the trimmer head angle to 90°.
- Adjust the trimmer head position to 90°.
- Keep the plant protector in storage position.

# MAINTENANCE

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## General Maintenance

- Keep all safety devices, air vents and the motor housing free of dirt and dust. 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, dry cloths to remove dirt, dust, oil, grease, etc.
- Remove any buildup of grass and leaves on or around the motor cover. Wipe the grass trimmer with a dry cloth occasionally. Do not use water as this may damage any electrical components.

## Storage

- Clean the grass trimmer prior to storage.
- Store the grass trimmer and any accessories in a dry, frost-free place, away from direct sunlight.
- Remove the battery pack from the grass trimmer before storage.
- Always store the product in a place that is inaccessible to children.
- After each use, check the trimmer thoroughly for any damage. Clean the safety guard and cutting device with a soft, dry brush.
- Do not stand the trimmer on its safety guard. Suspend it by its upper handle in such a manner that the safety guard does not come into contact with other objects. This is because the safety guard could become deformed, thereby changing its dimensions and its safety properties.

## Battery and Charger Maintenance

- Keep the battery and charger clean and clear of debris. Do not allow foreign material into the recessed cavity or on the contacts. Wipe with a dry cloth. Do not use solvents, water, or place in wet conditions.
- Always unplug the charger when there is no battery pack in it.
- Check that the charger and battery contacts have not been shorted by debris or foreign material. Always store away from metal objects which could create a connection with the terminals.
- Always remove the battery when storing the trimmer and keep in a cool dry place out of direct sunlight.
- Store the battery only within a temperature range between 0°C and 25°C and do not subject or store the battery pack to direct sunlight.
- It is recommended to store the lithium-ion battery pack in a 30%-50% charged condition.
- It is recommended to fully charge the lithium-ion battery pack after every six months of storage.

## Spool Replacement (See Fig. 24)

**NOTE:** Use only 1,6 mm diameter round monofilament line. Use original manufacturer's replacement line for best performance.

## MAINTENANCE

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### WARNING

Before replacing the spool line, make sure the battery is removed from the trimmer. The line cutting blade, located on the safety guard is sharp. Take extra care and wear protective gloves.

- Turn the grass trimmer upside down.
- Press together both the locking tabs ( ③ ) on either side of the spool cover ( ④ ) and remove the cover (Fig. 24).
- Remove the empty spool ( ⑤ ) from the trimmer head.
- Refer to the Line Replacement section if only the line needs to be replaced.
- Set the new spool with the smooth side facing upward onto the trimmer head and put the line end through the line eyelet ( ⑥ ). Pay attention that the line end does not slip off the grooves of the spool. Ensure the line is not held in the parking slot on the spool before replacing the spool cover referring to the Line Replacement section.
- Replace the spool cover. Ensure that the locking tabs of the spool cover are accurately inserted in the corresponding recesses of the trimmer head. They lock in audibly.
- Keep the line release button ( ② ) pressed and pull out the line end far enough so that it protrudes over the line cutting blade (Fig. 24).



### CAUTION

After changing the spool, run the trimmer under no load (i.e. away from grass and weeds) for at least a minute to verify the line and the tool are both operating correctly. Use only the spool and line as recommended by the manufacturer.

#### Line Replacement (See Fig. 25)

- Remove the empty spool from the trimmer head.

**NOTE:** Remove any old line remaining on the spool. Cut a length of line approximately 5 m long. Use only 1.6 mm diameter monofilament line.

- Insert the line into one of the two anchor holes found on the inside upper collar of the spool. Wind the line onto the spool. Ensure the line is wound in the direction indicated by the arrows on the spool.
- Place the end of the line in one parking slot ( ⑦ ) located on the top cover of the spool, leaving some of the line out (Fig. 25).

**NOTE:** Always clean the spool cover and trimmer head housing before reassembling the trimmer head. Always clean the trimmer head before replacing the spool.

- Install the spool in trimmer head as described in the Spool Replacement section. Check to make sure the line is taken out of the parking slot ( ⑦ ) on the spool before replacing the spool cover.

**NOTE:** Only use the appropriate trimming line specified in this manual.

# TROUBLESHOOTING



## WARNING

ONLY PERFORM THE STEPS DESCRIBED WITHIN THESE INSTRUCTIONS!



## WARNING

REMOVE THE BATTERY PACK BEFORE TROUBLESHOOTING.

PROBLEM	POSSIBLE CAUSE	SOLUTION
The product doesn't start.	The battery pack is not properly inserted.	Insert the battery pack properly.
	The battery pack is discharged.	Remove and charge the battery pack.
	The battery pack is damaged.	Contact the After Sales Helpline.
	Other electrical defect to the product.	Contact the After Sales Helpline.
Intermittent operation.	Internal loose contact.	Contact the After Sales Helpline.
	On/Off Trigger is defective.	Contact the After Sales Helpline.
Excessive vibration/loud noise.	The line spool is dirty.	Clean the line spool.
	The line spool is defective.	Replace the line spool. Refer to the Spool Replacement section in this manual.
	Motor defective.	Contact the After Sales Helpline.
Unsatisfactory result.	The trimming line is worn or damaged.	Replace the trimming line. Refer to the Line Replacement section in this manual.
	Insufficient trimming line.	Install more line. Refer to the Line Replacement section in this manual.
	The trimming line is not guided out of the spool.	Remove the line spool and thread the trimming line to the outside through the eyelet. Check the line end is not held in parking slots on spool. Replace the spool if necessary.
	The trimmer head is dirty.	Clean the trimmer head.
	The battery pack capacity is too low.	Charge the battery pack.

## TROUBLESHOOTING


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No-charging procedure possible.	The battery contacts are contaminated.	Clean the battery contacts (e.g. by inserting and removing the battery several times) or replace the battery.
	Socket outlet, fuse, mains cable or battery charger are defective.	Check the mains voltage and fuse, if necessary, contact the after sales helpline.
	The battery has a fault.	Contact the After Sales Helpline.





# TECHNICAL DATA


## 24V Grass Trimmer

Rated Voltage	24V 
Cutting Width	25cm
Speed	9200/min
Sound Pressure Level ( $L_{PA}$ )	80dB(A) K=3dB
Sound Power Level ( $L_{WA}$ ) Guaranteed	96dB(A)
Sound Power Level ( $L_{WA}$ ) Measured	88.4dB(A) K=2.48dB
Vibration ( $a_{\text{r}}$ )	3.4m/s <sup>2</sup> K=1.7m/s <sup>2</sup>
Cutting Line Diameter	1.6mm
Weight (Without 2.0Ah Battery)	1.76kg

## CHARGER

Model No.	HYCH0132400500B (with BS Plug, included in UK products only) HYCH0132400500G (with VDE Plug, included in mainland EU products only)
Charger Input	100-240V ~ 50/60Hz 0.32A
Charger Output	24V  0.5A
Charging Period (Battery Fully Discharged)	3-5H (For 24LB2004-C)
Weight of Charger	0.2kg
Insulation Protection of Charger	

## BATTERY

Model No.	24LB2004-C
Rated Voltage of Battery	24V 
Capacity of Battery	2.0Ah
Battery Type	Lithium-Ion
Weight of Battery	0.41kg

## RECYCLING AND DISPOSAL

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This marking indicates that this product should not be disposed with other household wastes throughout the EU. The machine must be delivered in rigid packaging to avoid damage during transportation. The packaging and the machine itself are manufactured from recyclable materials and should be disposed of accordingly.



This appliance contains Lithium-ion battery. Do not dispose of batteries in household waste, fire or water. Dispose of batteries in accordance with the **local regulations** where they will be recycled in an environmentally friendly manner.

Li-ion





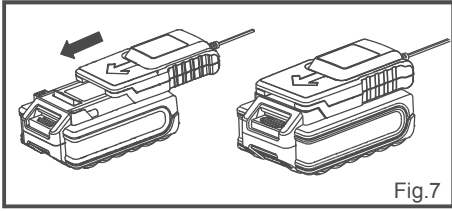


Fig. 7

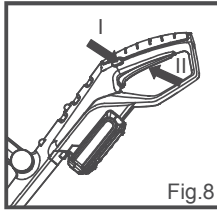


Fig. 8

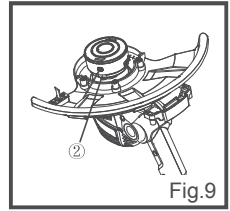


Fig. 9

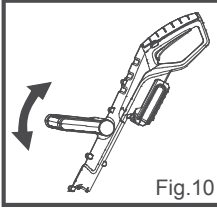


Fig. 10

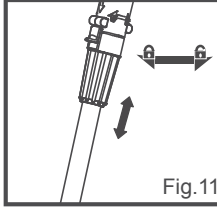
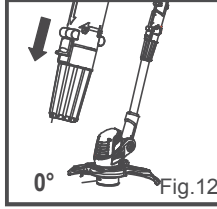
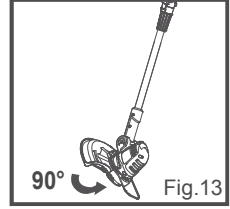


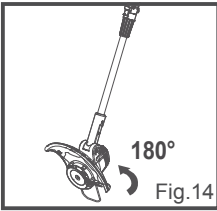
Fig. 11



0° Fig. 12



90° Fig. 13



180° Fig. 14

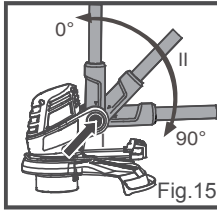


Fig. 15

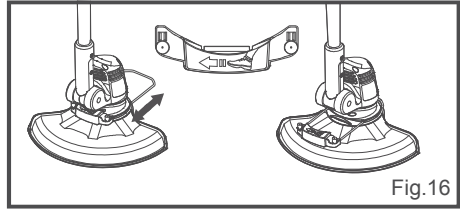


Fig. 16

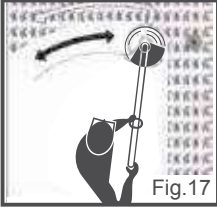


Fig. 17



Fig. 18

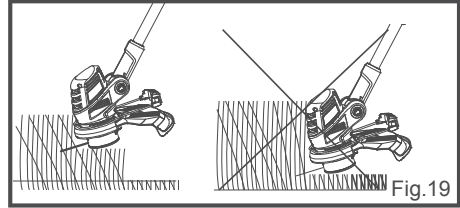


Fig. 19

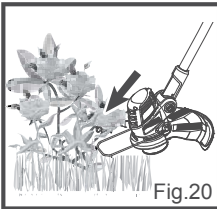


Fig. 20

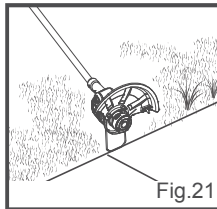


Fig. 21

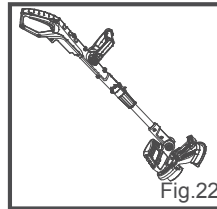


Fig. 22

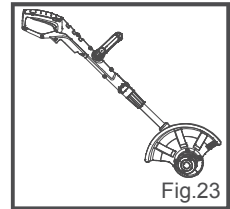


Fig. 23

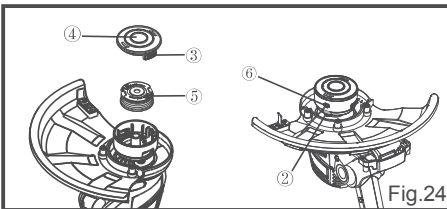


Fig. 24

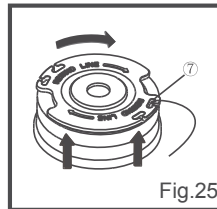


Fig. 25



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