



**SPEAR &  
JACKSON**

# ORIGINAL INSTRUCTION MANUAL

**24V**

# Cordless Lawnmower

**CLMF2434A**



**Important - Please read these instructions  
fully before starting assembly**

These instructions contain important information that will help you get the best from your mower, ensuring it is assembled correctly and safely. If you need help or have any missing parts call After Sales Support on 0345 605 2068.

**AFTER SALES SUPPORT  
0345 605 2068  
Version No. Oct 2024**

# SPEAR & JACKSON SINCE 1760

For more than 250 years gardeners have enjoyed high quality performance and great results using Spear & Jackson tools.

Our garden power tools combine continuous innovation and the latest in manufacturing technologies with a proud heritage.

Each product is carefully designed with performance, comfort and durability firmly in mind, which has earned Spear & Jackson an enviable reputation as a maker of tools to trust.

## 3 YEARS GUARANTEE

As a testament to the quality of our products, we offer a 3 year manufacturers warranty and a comprehensive after sales service.

The warranty covers manufacturing faults, however in the event that the item has been deliberately damaged, used in a commercial environment or disassembled then the warranty will be null and void.

Please retain proof of purchase.

## TECHNICAL SUPPORT

We want you to get the best out of your products. Our easy-to-read instruction manual guides you with best practice use and maintenance tips. Please call **0345 605 2068** for after sales support, we can solve around 80% of questions directly over the phone.

We hope you enjoy your product and we look forward to any feedback, as this allows us to develop even better products for the future.

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# SAFETY INFORMATION

## INTENDED PURPOSE

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

## WARNING SYMBOLS


-  Take extra care, beware of hazards.
-  Do not use the machine in the rain or leave it outdoors when it is raining.
-  Before of thrown objects – keep bystanders away.
-  Keep hands and feet away from the blades.
-  Switch off and remove the isolator key before adjusting, cleaning or before leaving the product unattended for any period.
-  **WARNING:** Disconnect battery before maintenance.


-  **WARNING!** Beware of electric shocks.
-  Wait until all moving parts have stopped completely before touching them. The blade may continue to rotate after the machine is switched off, a rotating blade can cause injury.
-  Read instruction handbook before operating this machine.
-  The charger is for indoor use only.
-  Guaranteed noise level.
-  Double insulation.
-  The product complies with the applicable European directives and an evaluation method of conformity for these directives was followed.
-  The product confirms to relevant UK regulatory requirements.


# SAFETY INFORMATION


**IPX1** Degree of Protection.


 T3.15A Fuse.

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

 Batteries contain Lithium-ion. Do not disposed of batteries in with your general household waste, follow local legal requirements

 Do not dispose of batteries in rivers or immerse in water.

 Do not dispose of battery packs in a fire. They will explode and cause injury.

 Do not subject the battery to strong sunlight over long periods and do not leave it on a heater (max.45°C).

 **IMPORTANT!**

When using equipment, the following safety precautions must be followed to avoid injuries and damage.

## GENERAL POWER TOOL 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 instructions for future reference.**

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

### 1) Work area safety

- a) **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- b) **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.

## SAFETY INFORMATION

c) **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

d) **When the mower is running ensure that no person or pet, particularly children and animals, is in the immediate vicinity of the lawn mower.** Ensure that you keep everybody at least 10 meters away from the mower when it is working.

### 2) Electrical safety

a) **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.

b) **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.

c) **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock. (For use with DC machines up to 42.4V DC)

d) **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.

e) **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.

f) **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.

### 3) Personal safety

a) **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.

b) **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.

c) **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.

d) **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.

e) **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.

f) **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.

g) **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.

## SAFETY INFORMATION

- h) **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.
- i) **Never lift the lawn mower when you start the motor.**
- j) **Before you lift the lawn mower to transport it, switch off the motor, disconnect the mains lead and wait until the blade has come to a complete standstill.**
- k) **Never lift or carry the mower whilst the motor is running.**
- l) **Follow the instructions to fit or remove the blade and wear protective gloves.**
- m) **Never reach towards rotating parts with your hands or feet.** Always keep away from the discharge chute.
- n) **Never use the mower when you are tired.**
- o) **When you start the motor, the lawn mower should not be tilted unless the grass is particularly long. In this case only tilt it up as far as is really necessary and only raise the side that is furthest away from the user.**
- p) **Before you attach or empty the grass collection box, switch off the motor and wait until the blade has come to a complete standstill.**
- q) **Make sure you keep your feet at a safe distance from the mower blade at all times!** Do not stand near the grass ejection chute if the grass collection box is not fitted.
- r) **The safety distance from the moving blade produced by the push handle must be maintained at all times.**
- s) **If you use the mower on a small incline, mow across the slope (not in an up and down direction).** Always be sure of your footing on slopes.



## SAFETY INFORMATION

- t) **Be particularly careful when changing direction with the mower whilst working on a slope.**
- u) **Do not use the lawn mower on gradients of over 15 degree.**
- v) **Ensure that you have safe footing at all times whilst working with the mower.**
- w) **Always wear strong, anti-slip footwear and long trousers when using the mower.** Never mow in bare feet or in open-toed sandals.

### 4) Power tool use and care

- a) **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.
- b) **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

- c) **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.
- d) **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.
- e) **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.

## SAFETY INFORMATION

- f) **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g) **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.
- h) **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.
- i) **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.
- j) **Ensure that all the guards are securely fitted and in good working order.**
- k) **Check the grass collection box at regular intervals for signs of wear and to ensure that it is always in perfect working order.**
- l) **Before each use, inspect the mower to check the cutting blade, fastening bolts and the entire cutting unit for any signs of wear or damage.** To prevent imbalance or vibration, worn or damaged cutting blades and fastening bolts must always be replaced in full.
- m) **The user remains responsible for any injury to third parties within the working area of the lawn mower whilst the lawnmower is being used.**

- n) **Only work in good daylight or appropriate and adequate artificial light.**
- o) **Never run the mower in enclosed or poorly ventilated rooms or if there are inflammable or explosive fluids, vapours or gases nearby.**
- p) **Switch off the mower if it has to be pushed over surfaces other than grass, and when moving the mower to and from the area you wish to mow.**
- q) **Carefully actuate the starter switch in accordance with the instructions.**
- r) **Do not switch the mower on and off frequently over a short period of time, and in particular do not play with the ON/OFF switch.**
- s) **Do not touch the cutting blade until the machine has been disconnected from the mains and the cutting blade has reached a complete standstill.**

- t) **Keep the lawn mower in a dry place which is inaccessible to children at all times.**
- u) **Do not leave the mower out in the rain. The lawn must not be wet or very damp.**
- v) **Be particularly careful when you change the direction of the mower or pull it towards you.** Avoid pulling it towards you while the blade is moving.
- w) **Only push the mower at a normal walking pace.**
- x) **Always use the lawn mower with the grass collection box correctly fitted.**

### **5) Battery tool use and care**

- a) **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.

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- b) **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
- c) **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.
- d) **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.
- e) **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.**
- f) **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.
- g) **Do not expose a battery pack or tool to fire or excessive temperature.** Exposure to fire or temperature above 130 °C may cause explosion.
- h) **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. Batteries can explode in the presence of a source of ignition, such as a pilot light.
- i) **To reduce the risk of serious personal injury, never use any cordless product in the presence of an open flame. An exploded**

## SAFETY INFORMATION

**battery can propel debris and chemicals. If exposed, flush with water immediately.**

- j) **Do not charge battery in a damp or wet location.** Following this rule will reduce the risk of electric shock.
- k) **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.**
- l) **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.
- m) **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.

n) **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.

o) **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.

### 6) Charger safety information

- a) **Ensure the battery pack is charged indoors only, in a dry, cool and well-ventilated environment.**
- b) **Do not use non-rechargeable batteries!**
- c) **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

## SAFETY INFORMATION

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 person in order to prevent hazards.

- d) **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.**
- e) **Allow a hot battery to cool before charging.**
- f) **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.
- g) **Protect the charger against moisture and wet conditions.** There is a danger of electric shock.

- h) **Operate the charger only with the appropriate original batteries.** Charging other batteries may result in injuries and risk of fire.
- i) **Keep the cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- j) **Do not use a charger that has been dropped or received a sharp blow.**
- k) **The voltage indicated on the charger rating plate must correspond to the voltage of the power source.**
- l) **Never touch the mains plug with wet hands.**
- m) **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.

### 7) Service

- a) **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.
- b) **Never service damaged battery packs.** Service of battery packs should only be performed by the manufacturer or authorized service providers.

### Lawnmower safety warnings

- a) **Do not use the lawnmower in bad weather conditions, especially when there is a risk of lightning.** This decreases the risk of being struck by lightning.
- b) **Thoroughly inspect the area for wildlife where the lawnmower is to be used.** Wildlife may be injured by the lawnmower during operation.

- c) **Thoroughly inspect the area where the lawnmower is to be used and remove all stones, sticks, wires, bones, and other foreign objects.** Thrown objects can cause personal injury.
- d) **Before using the lawnmower, always visually inspect to see that the blade and the blade assembly are not worn or damaged.** Worn or damaged parts increase the risk of injury.
- e) **Check the grass catcher frequently for wear or deterioration.** A worn or damaged grass catcher may increase the risk of personal injury.
- f) **Keep guards in place. Guards must be in working order and be properly mounted.** A guard that is loose, damaged, or is not functioning correctly may result in personal injury.
- g) **Keep all cooling air inlets clear of debris.** Blocked air inlets and debris may result in overheating or risk of fire.

## SAFETY INFORMATION

- h) **While operating the lawnmower, always wear non-slip and protective footwear. Do not operate the lawnmower when barefoot or wearing open sandals.** This reduces the chance of injury to the feet from contact with the moving blade.
- i) **While operating the lawnmower, always wear long trousers.** Exposed skin increases the likelihood of injury from thrown objects.
- j) **Do not operate the lawnmower in wet grass. Walk, never run.** This reduces the risk of slipping and falling which may result in personal injury.
- k) **Do not operate the lawnmower on excessively steep slopes.** This reduces the risk of loss of control, slipping and falling which may result in personal injury.
- l) **When working on slopes, always be sure of your footing, always work across the face of slopes, never up or down and exercise extreme caution when changing direction.** This reduces the risk of loss of control, slipping and falling which may result in personal injury.
- m) **Use extreme caution when reversing or pulling the lawnmower towards you. Always be aware of your surroundings.** This reduces the risk of tripping during operation.
- n) **Do not touch blades and other hazardous moving parts while they are still in motion.** This reduces the risk of injury from moving parts.
- o) **When clearing jammed material or cleaning the lawnmower, make sure all power switches are off and the battery pack is disconnected.** Unexpected operation of the lawnmower may result in serious personal injury.



## SAFETY INFORMATION

- p) **When clearing jammed material or cleaning the lawnmower, make sure all power switches are off and remove (or activate) the disabling device.** Unexpected operation of the lawnmower may result in serious personal injury.

This includes the use of unapproved accessories and replacement parts.

## INTENDED USE

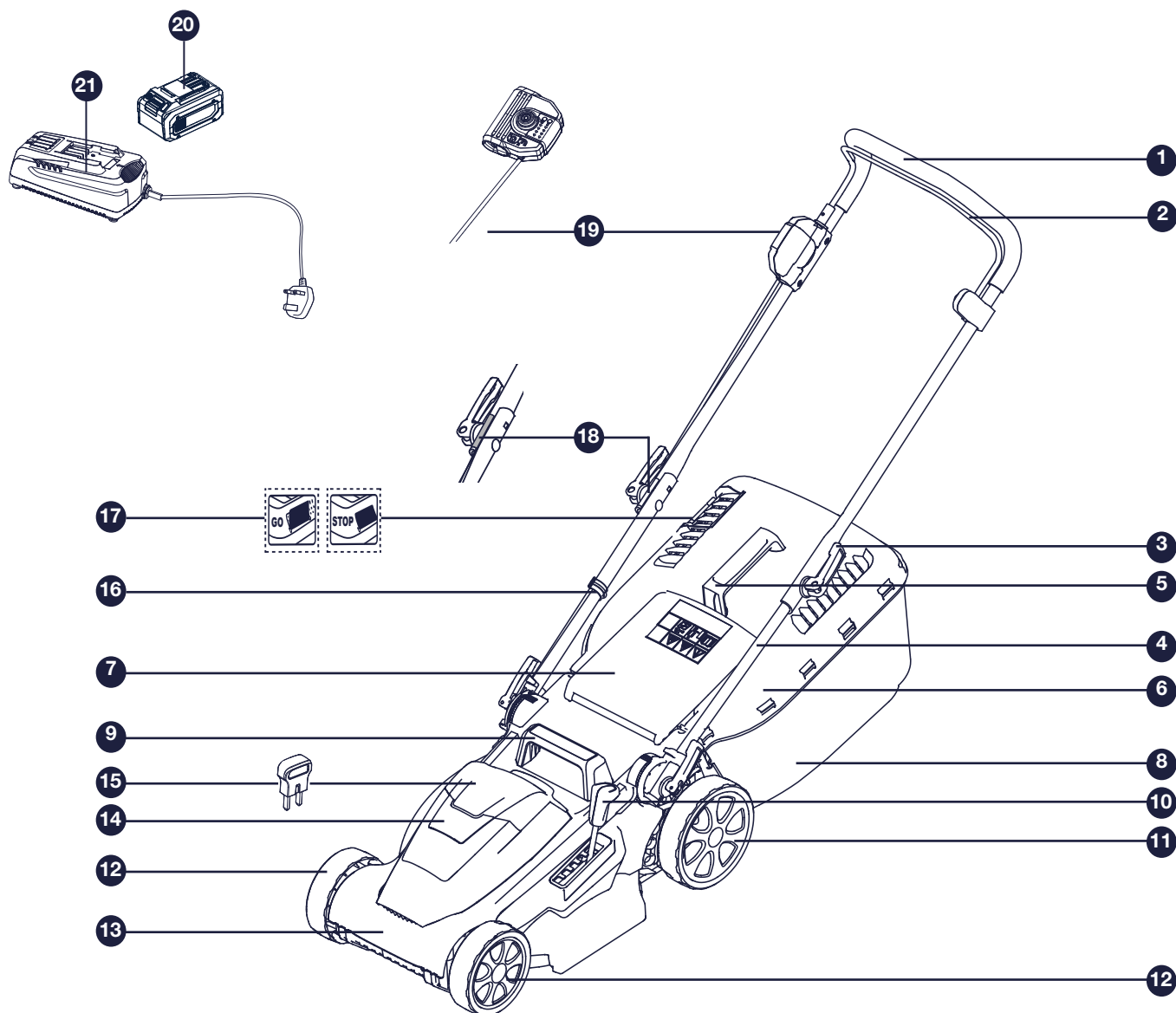
This lawn mower is designed for domestic use only:

- This cordless lawn mower is intended for mowing lawns in domestic and hobby gardens.
- This product is not to be used in wet weather conditions and may not be used to mow wet or unusually high grass.
- 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

## PARTS

- |                               |                                     |   |                           |
|-------------------------------|-------------------------------------|---|---------------------------|
| 1 Upper Handle                | 7 Deflector Guard                   | 13 Deck                                     | 18 Cable Guide            |
| 2 Switch Lever                | 8 Grass Collection Bag              | 14 Battery Compartment Cover                | 19 Lock-Off Safety Button |
| 3 Quick Release Lever (x4)    | 9 Carry Handle                      | 15 Isolator Key (Attached inside the mower) | 20 Battery                |
| 4 Lower Handle                | 10 Cutting Height Adjustment Handle | 16 Cable Clip                               | 21 Charger                |
| 5 Grass Collection Bag Handle | 11 Rear Wheel                       |   |                           |
| 6 Upper Cover of Grass Box    | 12 Front Wheel                      |   |                           |

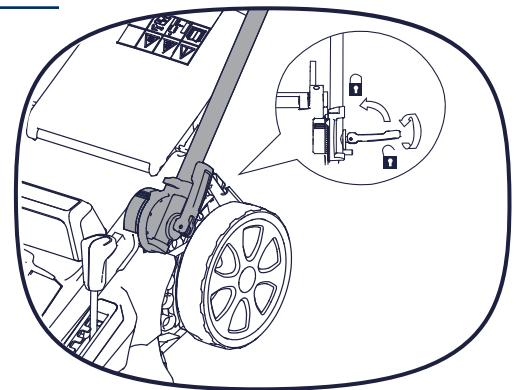


## 1 Unpacking

- i. Unpack all parts and lay them on a flat, stable surface.
- ii. Remove all packing materials and shipping devices if applicable.
- iii. 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 the aftersales helpline within 28 days of purchase. Using an incomplete or damaged product represents a hazard to people and property.
- iv. Ensure that you have all the accessories and tools needed for assembly and operation. This also includes suitable personal protective equipment.

## 2 Fix the Lower handle

Rotate the quick release clockwise to tighten, to fix the lower handle in place fold the levers inwards towards the lower handle.



## 3 Fix the upper handle

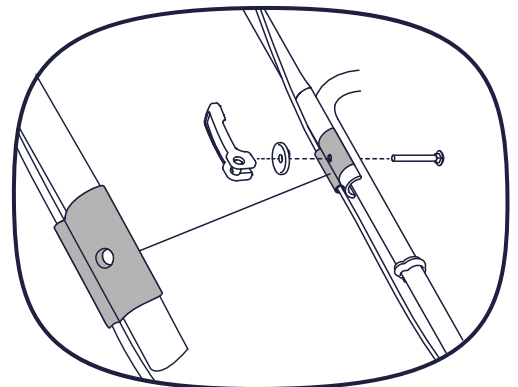
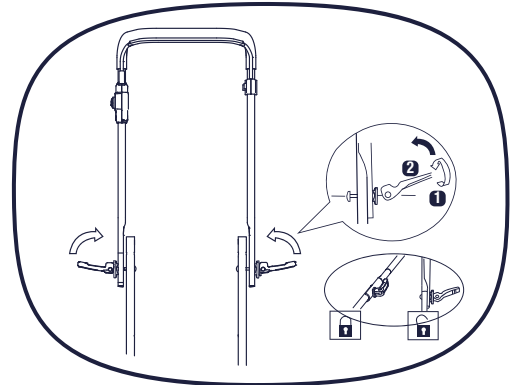
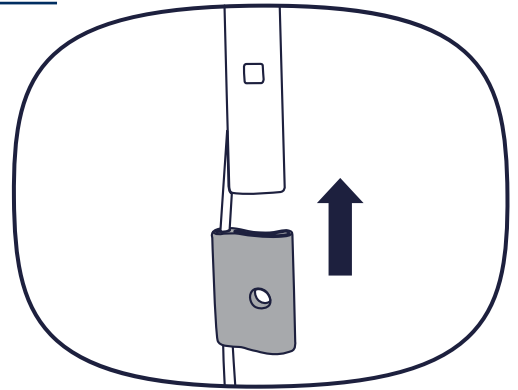
Fit the upper handle and lower handle together with the quick release levers. Before fitting the quick lever, check and ensure the cable guide is attached on the upper handle. If not, attach the cable guide on the upper handle as shown. Ensure the hole on the cable guide is aligned with the hole on the upper handle. Insert the bolt through the inside of the lower handle, cable guide and upper handle assembly. Secure the washer and the quick release lever to the bolt as shown.

To tighten rotate clockwise and lock into position by folding inwards towards the handle. Do not use excessive force; this may damage the levers.

There are two possible height positions. Choose the one most suitable to the operator's height.

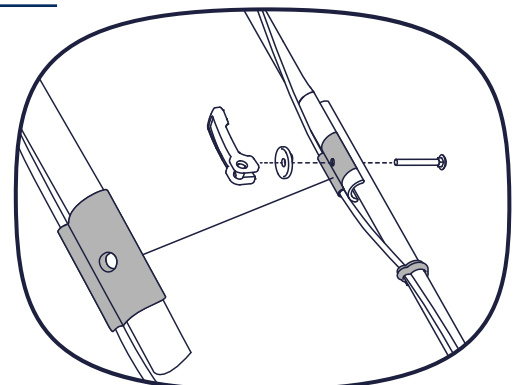


**WARNING! Make sure the cable guide is attached correctly on the upper handle to avoid the cable getting damaged when the upper handle is folded up and down.**



## 4 Fix the cable

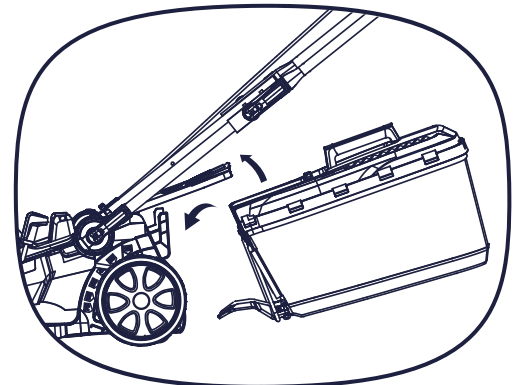
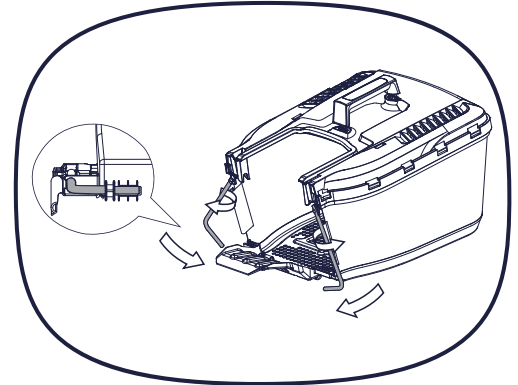
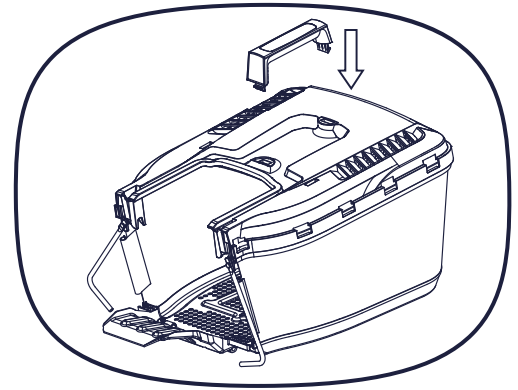
Secure the cable against the handle frame with the supplied cable clip.



# ASSEMBLY

## 5 Assemble the grass box

- i. Insert the handle in the upper cover of grass collection bag
- ii. Place the metal frame inside the grass collection bag, Make sure that these clips are fully secured to the metal frame.
- iii. Lift up the safety guard and attach the grass collection bag. Hang the collection bag on the mower

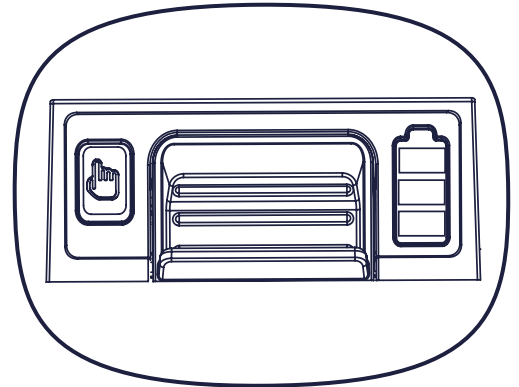


# PREPARATION

## 1 Check battery capacity

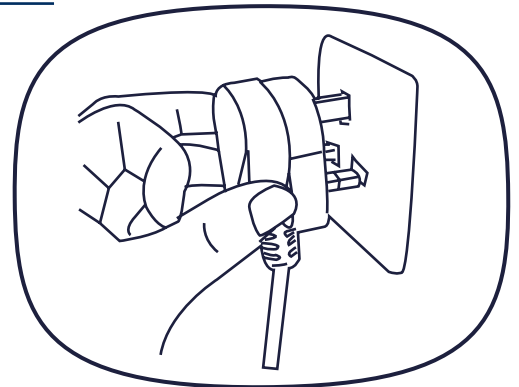
The battery is equipped with a charge-level indicator panel which indicates its' charge condition. The panel consists of 3 LEDs on the battery. Press and hold the button, then release it, the LEDs will show you the charge levels. The battery's charge level can be checked either when the battery is attached on the charger/mower or removed from the charger/mower.

LED indicators on battery	Battery Capacity
Continuous lighting of 3 LEDs	Fully charged
Continuous lighting of 2 LEDs	$\geq 40\%$
Continuous lighting of 1 LED	$<40\%$ . Recharge required.

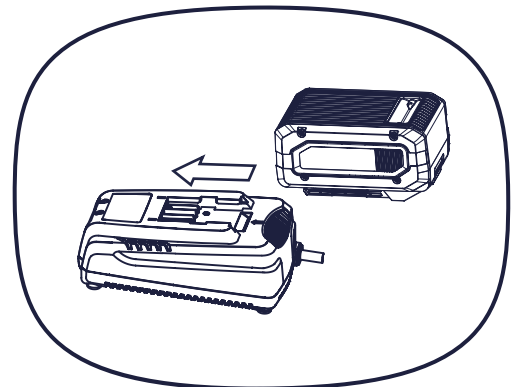


## 2 Battery Charging

i. Plug the charger into an appropriate AC power outlet.











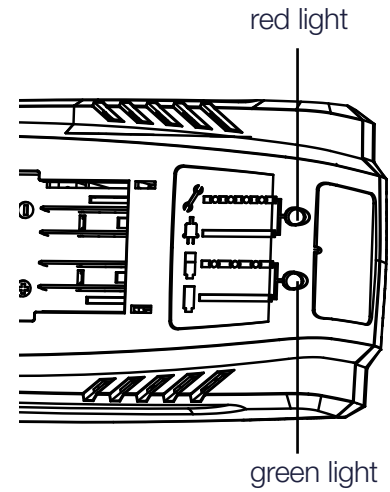
ii. Install the battery pack along the support rails of the charger.



# PREPARATION

iii. The indicator lights on the charger show the charger status:

Symbol	Indicator lights	Status
		red, flashing charging paused see instructions below.
		red, continuous connected to power supply
		green, flashing charging
		green, continuous fully charged



The intelligent charger measures the charge level of the battery and charges the battery accordingly with the required current and voltage based on battery temperature and voltage. To ensure maximum battery life charge it fully before storage.

A flashing red LED light on the charger indicates that the battery temperature is not within the charging temperature range of  $-5\text{ }^{\circ}\text{C}$  –  $50\text{ }^{\circ}\text{C}$  or the charging current is too high. As soon as the permitted temperature and the charging current ranges are reached, the battery charger will automatically switch to charging.

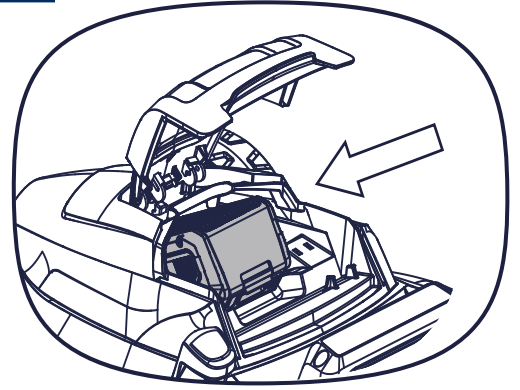
After continuous or repeated charging cycles without interruption, the charger may warm up. This is normal and does not indicate a technical defect of the battery charger.

Green LED flashing rapidly indicates that the battery voltage is low, the battery will receive an extended charge cycle approximately 30mins longer. This does not indicate a defect with the battery.

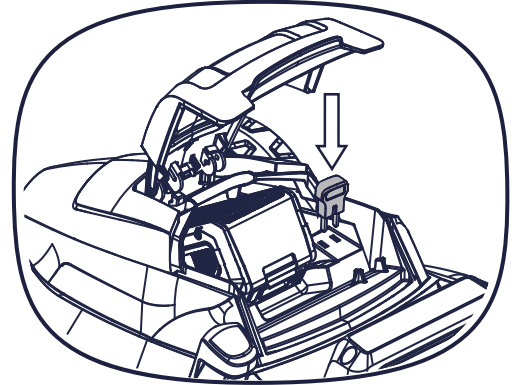
# PREPARATION

## 3 Fit the battery

- i. Lift the cover, slide the battery along the rails until it locks into position.



- ii. Insert the isolator key.

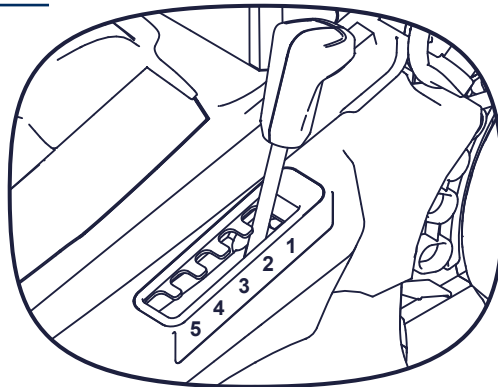




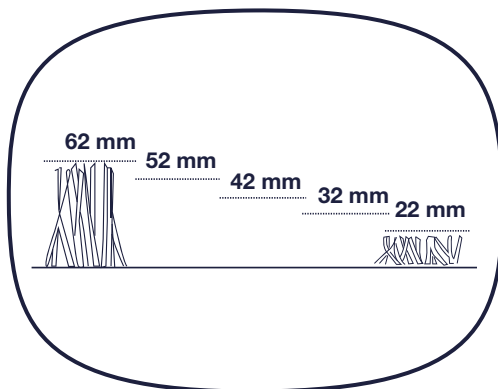
# OPERATION

## MOWING TIPS

- Verify that the lawn is free of stones, sticks, wires, and other objects that could damage the lawn mower.
- When cutting thick grass, reduce walking speed in order to allow for a more effective cut and a proper discharge of the clippings.
- Never cut off more than one-third of the total length of the grass for a healthy lawn. If it is roughly 6cm long, the grass should not be shorter than 4cm once mowed. If the grass is higher, you should gradually cut it down to the desired length so as not to damage the grass.
- Do not cut wet grass because it tends to stick to the underbody of the lawn mower, preventing the proper discharge of grass clippings.

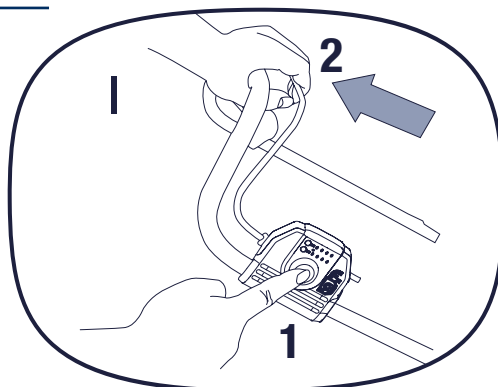


Cutting position	Cutting height
1	22mm
2	32mm
3	42mm
4	52mm
5	62mm



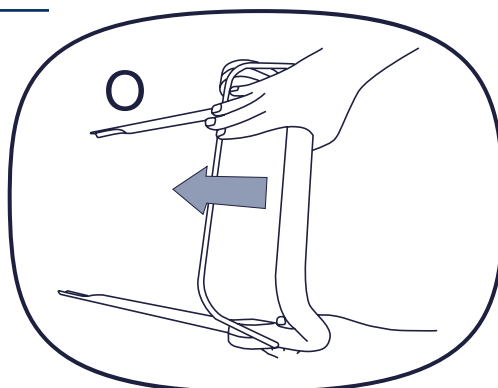
## Switching on

- Press the button (1).
- Pull the switch bar (2) towards the handle and hold in position.



## Switching off

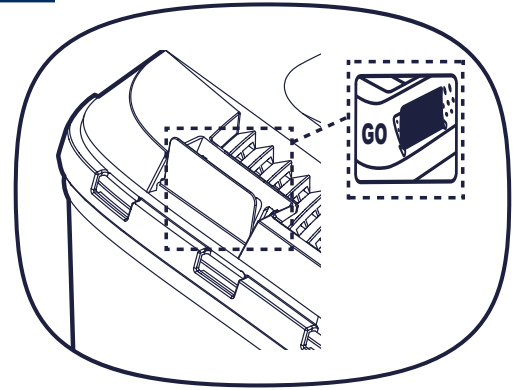
Release the switch bar.



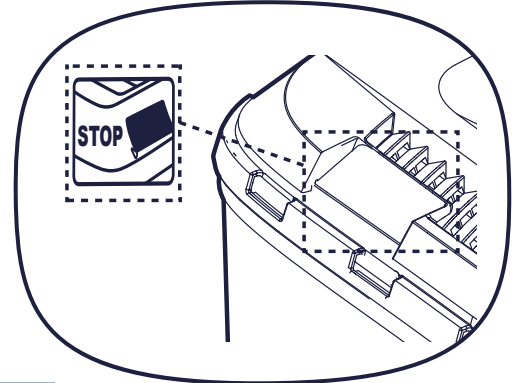
# OPERATION

## Grass bag full indicator

i. If the collection bag is empty or it is not full with grass, the grass full indicator will open.



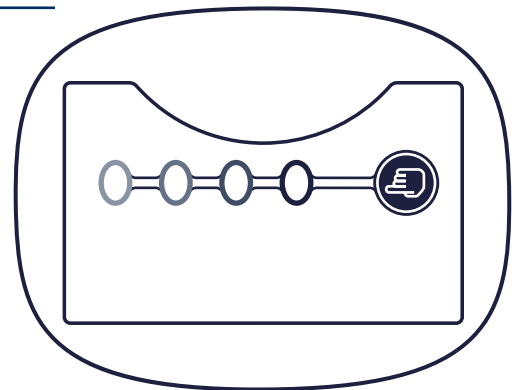
ii. If the collection bag is full with grass, the grass full indicator will close.



## Battery indicator panel

Battery indicator on the switch box can be used to indicate the battery status.

i. Push the press button to check on the battery status, 4 lights indicate a fully charged battery, 1 light indicates the battery needs to be charged.



LED indicators on Panel	Battery Capacity
Continuous lighting of 4 LEDs (inc 2 green)	Fully charged
Continuous lighting of 3 LEDs (inc 1 green)	$\geq 50\%$
Continuous lighting of 2 LEDs (orange & red)	$\geq 25\%$
Continuous lighting of 1 LED (red only)	$\leq 25\%$ . Recharge required.



## WARNING!

**Always switch the product off, remove the battery from the mower and let it cool down before performing inspection, maintenance and cleaning work!**

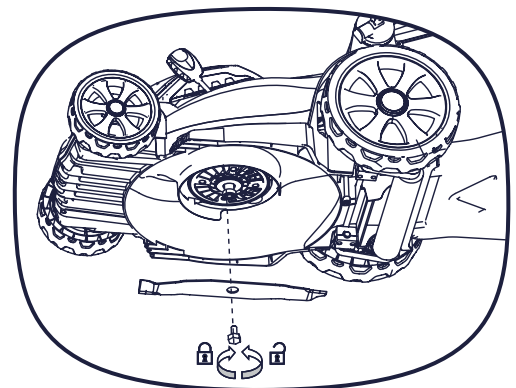
- i. Keep the underbody and cutting blade clean and free of debris. Remove clippings from the discharge chute.
- ii. Check all nuts and bolts periodically for tightness before operation. After prolonged use, especially in sandy soil conditions, the cutting blade will become worn and lose some of its original shape. The cutting efficiency will be reduced and the cutting blade should be replaced.
- iii. Lubricate the cutting blade after each use to prolong the life span of the cutting blade and product. Apply light machine oil along the edge of the cutting blade.

## Replacing the cutting blade

Keep the cutting blade sharp to ensure a good cutting performance. Replace a worn or damaged cutting blade with a new one of the same type or have it sharpened by a qualified specialist.

- i. Loosen the bolt anticlockwise using a suitable wrench and remove it together with the blade.
- ii. Replace the blade with a new one of the same type.
- iii. Reattach the blade onto the spindle, pay attention to correct alignment. Tighten the bolt clockwise with 16 Nm min, 20 Nm max.

**NOTE:** Replace this cutting blade after 50 hours mowing or 2 years whichever is sooner regardless of condition.

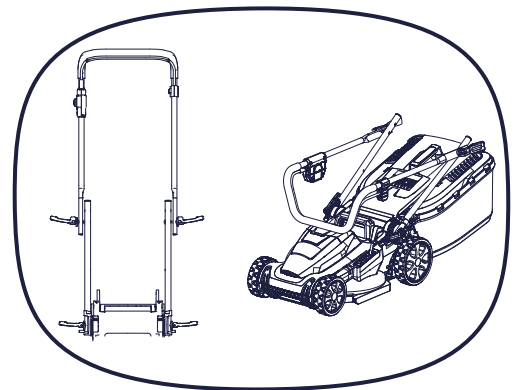


## Storage



**WARNING! To avoid damage to the cable, ensure the power cable is not caught between the folding sections.**

- i. Switch the product off and remove the battery.
- ii. Clean the product as described above.
- iii. To reduce storage space, the upper handle can be folded down, open the quick release levers to release the handles.



## Transportation

- i. Switch the product off and remove the battery.
- ii. Protect the product from any heavy impact or strong vibrations which may occur during transportation in vehicles.
- iii. Secure the product to prevent it from slipping or falling over.

## Recycling and disposal



This symbol is known as the Crossed out Wheelie Bin Symbol. When this symbol is marked on a product or battery, it means that it should not be disposed of with your general household waste. Some chemicals contained within electrical products or batteries can be harmful to health.

The packaging and the machine itself are manufactured from recyclable materials and should be disposed of accordingly.

Only dispose of electrical, electronic or battery powered products in separate collection schemes, which cater for the recovery and recycling of materials contained within.



### Li-Ion batteries:

Please observe the instructions in section "Transport".


Do not dispose of with household waste.

Dispose of safely according to local legal requirements.

Due to a program of continuous product improvement features and instructions are liable to change without notice.

## TECHNICAL DATA

Model	CLMF2434A
Voltage	24V $\overline{=}$ Max
No load speed	3200/min
Cutting width	34cm
Height of cut	22/32/42/52/62mm
Net weight	11.6kg
Grass collector capacity	35L
Degree of protection against water	IPX1

Charger	
Model no.	24LFC12
Charger input	220-240V~ 50Hz,110W
Charger output	24V $\overline{=}$ 4A
Fully charging period (battery fully discharged status)	60min
Permitted charging temperature range (for charger)	-5°C~50°C
Weight of charger	0.6kg
Insulation protection of charger	

Battery pack	
Battery model	24LB4005-CN
Rated voltage of battery	24V $\overline{=}$ Max
Capacity of battery	4.0Ah
Battery type	Lithium-Ion

Parts List	ACCESSORIES
111232102	Blade
211033124	Battery
211002121	Charger
211033123	Key
211033121	Grass box

# TECHNICAL DATA

## Sound values

Measured emission sound pressure level  $L_{pA}$ : 84.4 dB

Uncertainty  $K=3$  dB

Measured sound power level  $L_{WA}$ : 90.8 dB,  $K=1.80$  dB

Guaranteed sound power level  $L_{WA}$ : 96 dB(A)

## Vibration values

Hand arm vibration  $a_h$ :  $\leq 2.5$  m/s<sup>2</sup>

Uncertainty  $K=1.5$  m/s<sup>2</sup>

The sound values have been determined according to noise test code given in EN IEC 62841-4-3, using the basic standards EN ISO 11201 and EN ISO 3744. The sound intensity level for the operator may exceed 80 dB(A) and ear protection measures are necessary.

The declared vibration value has been measured in accordance with a standard test method (according to EN IEC 62841-4-3) and may be used for comparing one product with another. The declared vibration value may also be used in a preliminary assessment of exposure.



**WARNING! Depending on the actual use of the product the vibration values can differ from the declared total! Adopt proper measures to protect yourself against vibration exposures! Take the whole work process including times the product is running under no load or switched off into consideration!**

Proper measures include, among others, regular maintenance and care of the product and cutting attachments, keeping hands warm, periodical breaks and proper planning of work processes!

# TROUBLESHOOTING

Suspected malfunctions are often due to causes that the user can fix themselves. Therefore, check the product using this section. In most cases the problem can be solved quickly.



**WARNING! Only perform the steps described within these instructions! All further inspection, maintenance and repair work must be performed by a qualified specialist if you cannot solve the problem yourself!**

**Gloves and appropriate protective clothing must be worn when performing these operations. When inspecting the blade always remove the battery from the mower.**

Fault	Possible Cause	Solution
Mower fails to operate	Possible clogging	Check underneath the mower and clear as necessary (always wear gardening gloves)
	Battery not fully charged	Charge battery
	Battery not inserted (properly)	Ensure battery is correctly inserted
	Grass too long	Increase height of cut and tilt garden product to reduce starting load
	Battery too hot/cold	Allow to cool/warm
	Isolator key not inserted correctly/fully	Fit key correctly
	There is a short delay in the motor starting after engaging the On/Off switch	This is normal. Hold On/Off switch for 1– 3secs to start motor.
Motor starts and stops immediately	Battery not fully charged	Charge battery
	Isolator key not inserted correctly/fully	Fit correctly
	Battery not inserted (properly)	Ensure battery is correctly inserted
	Battery too hot/cold	Allow to cool/warm Increase height of cut
Garden product functions intermittently	Motor protector has activated	Allow motor to cool and increase height of cut
Lawnmower leaves ragged cut	Height of cut too low	Increase height of cut
	Cutting blade blunt	Replace the blade
Poor cutting or motor labours	Possible clogging	Check underneath the mower and clear out as necessary (always wear thick gardening gloves)
	Blade fitted upside down	Refit blade correctly

# TROUBLESHOOTING

Fault	Possible Cause	Solution
Area of cut (battery duration) not large enough	Height of cut too low	Increase height of cut and walk slower
	Grass too high	Increase height of cut and walk slower
	Grass wet or damp	Wait until grass is dry and walk slower
	Grass is dense	Increase height of cut, walk slower and cut more frequently
Cutting blade not rotating while garden product switched on	Cutting blade obstructed	Switch off garden product Clear obstruction (always wear gardening gloves)
	Blade nut/bolt loose	Tighten blade nut/bolt (17 Nm)
Excessive vibrations/noise	Blade nut/bolt loose	Tighten blade nut/bolt (17 Nm)
	Cutting blade damaged	Replace the blade
No charging procedure possible	Battery contacts contaminated	Clean the battery contacts (e.g. by inserting and removing the battery several times) or replace the battery
	The battery is defective, due to a disconnection in the battery (individual cells)	Replace the battery
The charge control LED does not light up after inserting the mains plug into the socket	Mains plug of battery charger not plugged in (properly)	Insert mains plug (fully) into the socket outlet
	Socket outlet, mains cable or battery charger defective	Check the mains voltage.
The Green LED flashing rapidly on the charger	Battery in a low voltage status and needs a recovery charge	Leave the battery charging for an extra 30mins, the battery will recover and then the charger will complete the full charging process



# WARRANTY

If your device develops a fault, please don't hesitate to contact our after sales support on 0345 605 2068, the majority of problems can be solved directly on the phone.

1. These warranty terms cover additional warranty rights and do not affect your statutory warranty rights. This product is covered by a 3 year manufacturer warranty.
2. Claims must be accompanied by proof of purchase. This must be in the form of a Sales receipt or bank statement and must show that the product has been purchased within the warranty period as described under point 1, from the retailer that it was originally bought from. Please keep your receipt safe or staple it to the back of this manual for future reference.
3. Our devices have not been designed for commercial, trade or industrial applications, any signs of use of the equipment in these application or equivalent activities, invalidates the warranty.
4. The following are also excluded from our warranty:
  - A. Faults due to accidents, customer misuse or unauthorised repairs
  - B. Consumable Parts such as blades, quick release levers, grass bags and other accessories that are compatible with the product.
  - C. Failure due to lack of routine maintenance.
  - D. Failure as a result of not using the equipment in accordance with the manual and safety instructions

Warranty claims should be submitted before the end of the warranty period, see point 1. The original warranty period remains applicable to the device even if repairs are carried out or parts are replaced. In such cases, the work performed or parts fitted will not result in an extension of the warranty period, and no new warranty will become active for the work performed or parts fitted.

If you have any problems or questions concerning your garden power tool, please contact our after sales support at 0345 605 2068.





