

## 20V Cordless Lawnmower Instruction manual



**For correct usage, please read these instructions carefully before fi  
store in a safe place for future reference.**

## **INTRODUCTION**

### **Congratulations**

You have made an excellent choice with the purchase of this quality aerotek product.

By doing so you now have the assurance and peace of mind which comes from purchasing a product that has been manufactured to the highest standards, performance, and safety.

We want you to be completely satisfied with your purchase so this aerotek is backed by our full 12-month manufacturers guarantee and an outstanding after sales service through our dedicated Helpline.



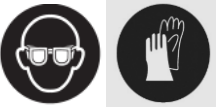







We hope you enjoy using your purchase for many years to come.



## Safety information and general warnings

- Improper use of this mower may lead to injury. Use the mower only for its intended purpose.
- Keep all parts of the body away from the cutting blades. Do not attempt to remove material you have cut or hold material that is being cut when the power is on.
- Make sure the power is off with the safety key removed before clearing any jammed material it is important that total concentration is observed failing to do so could result in serious personal injury.
- Always push the mower by the handle with the power off to avoid personal injury.
- Before commencing ensure that your surroundings are clear of any obstacles including fallen branches and anything that you may trip on.
- Always keep your work area clear during the task being undertaken.
- Ensure that bystanders especially children are kept at a safe distance from the working area.
- Use personal protection equipment wear eye protection a dust mask, in appropriate conditions this will reduce the possibility of personal injuries.
- Never wear loose clothing shorts or jewellery whilst using the tools and wear closed solid shoes or preferably boots with good grip.
- Do not overreach. Always keep a firm footing and maintain your balance during operation, always distribute the weight evenly on your body and reduce the possibility of strain.
- Do not use this tool in rain or wet conditions that could make the working area slippery.
- Do not use the mower where flammable materials such as gases liquids or dry dusty environments, the operation of the tools creates sparks which ignite these elements. Check the area before commencing.
- Do not use the mower if the switch fails to turn it on and off. Any machine that cannot be controlled with its switch is potentially dangerous and must be checked by a qualified electrician and repaired if necessary.
- Store idle power tools out of 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.
- Prevent any unintentional starting, ensuring the battery is out and the safety key is removed when not in use or moving the mower to the work area.
- Maintain the tools by regularly checking all parts. Check for any damage to the blade before and after every use. Any identified damage requires repair before use as many accidents are caused by poorly maintained tools and equipment.
- Keep the mower blade cutting surfaces clean and sharp. Well maintained and sharp cutting edges are less likely to bind and are easier to control.


- Have your mower serviced regularly by a qualified specialist.
- Children should be supervised to ensure that they do not play with the mower.
- Do not use power tools while you are tired or under the influence of drugs alcohol or medication.
- Use the power tool, accessories, and components in accordance with these instructions, considering the working conditions and the work to be performed. Use of the mower for operations different from those intended could result in a hazardous situation.
- This product is only to be used for cutting grass around your house. Any other usage, which is not declared in this manual can damage the device and cause danger to the users. It is designed for use by adults.
- The use of electric mowers in rain or humid environments is not recommended the manufacturer is not liable for any damage because of the usage against its original functions or incorrect operation.
- To prevent the risk of electric shock, protect mowers electric parts from rain and moisture.
- Recharge the battery only with the charger provided. A charger that is suitable for one type of battery may create risk of fire when used with another battery.
- The supplied battery charger is only suitable for charging the mowers battery, and to prevent the risk of fire and explosion must not be used for charging any other product.
- Before each use, check the battery charger, cable, and plug for signs of damage. If the battery charger is damaged, do not use it or try to repair it, instead take it to your local qualified specialist.
- To prevent the risk of fire, do not operate the battery charger on flammable surfaces (e.g. paper, textiles etc.) or in combustible environments.

## Safety symbols and their meaning

SYMBOL	MEANING
	Precautions required that involve your safety.
	To reduce the risk of injury, users must read and understand user's manual before using this product.
	Wear gloves, eye and head protection when operating this equipment.
	Do not expose machine to rain or wet conditions.
	Pay attention that bystanders are not injured through foreign objects thrown from the mower.
	Keep all bystanders (especially children and pets) at least 15 metres away from the work area.
	Keep hands and feet away from blade and cutting area.
	Switch off and remove isolator key before adjusting, cleaning and before leaving the product unattended for any period.
	Do not operate on inclines greater than 15°. Mow across the face of slopes, never up and down.
	Beware of electric shock hazard.

	Wait for all components of machine to have completely stopped before touching them.
	The charger is intended for indoor use only.

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

SYMBOL	SIGNAL	MEANING
	<b>DANGER</b>	Indicates an imminently or potentially hazardous situation which, if not avoided may result in a possible serious injury.
	<b>CAUTION</b>	(Without Safety Alert Symbol) Indicates a situation that may result in property damage.

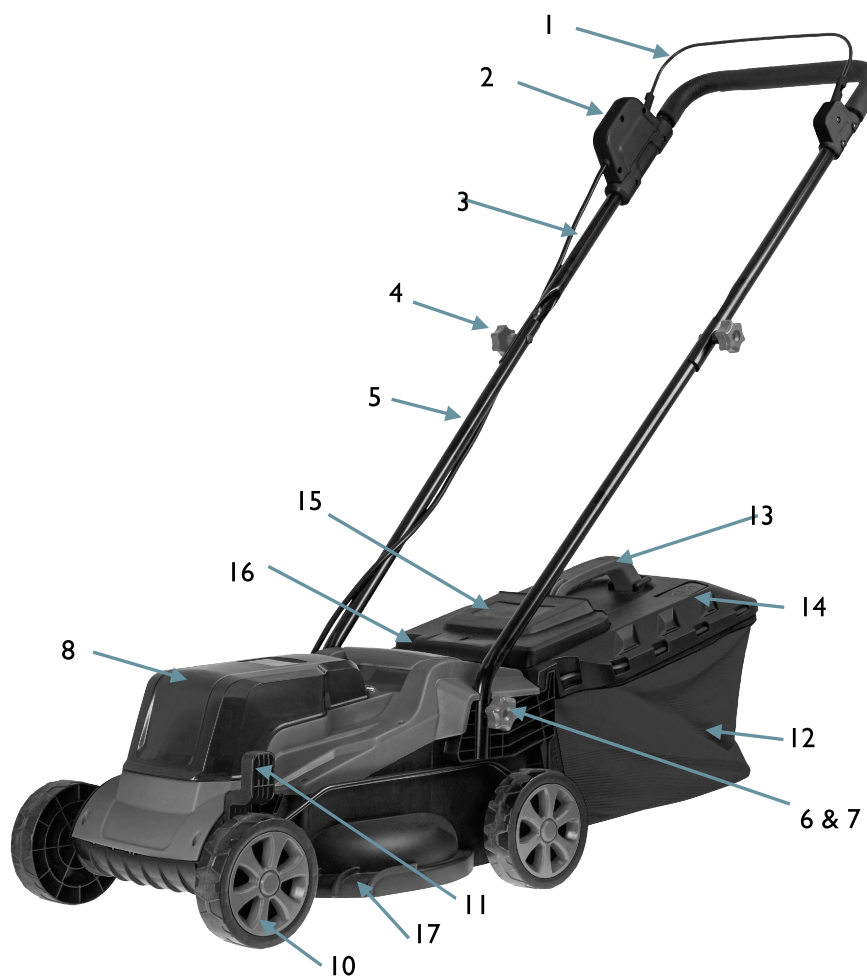
### Battery use and care

- Make sure the power rating on the charger plug matches the outlet.
- Never modify the charger plug in any way.
- Do not use any adaptor plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce the risk of electric shock.
- Never use the power cable for carrying, pulling or unplugging the charger.
- Never expose the battery charger or plug to damp or wet environments.
- When you are not using the mower or charger store in a safe dry place.
- Never leave a battery unattended when charging.
- On the side of you charger are graphics showing the stages of charging make sure it is fully charged before disconnecting see images below.
- Periodically charge the battery if not in use for any extended period (such as over winter).

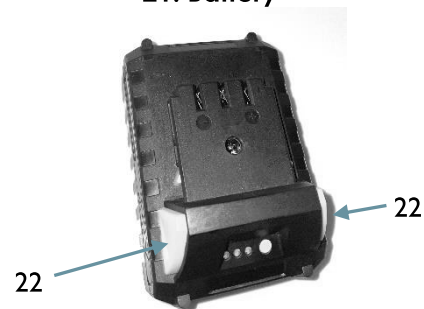
Your battery should be partially charged when you receive your mower, but you should always follow the charging procedure.

## Description of parts –

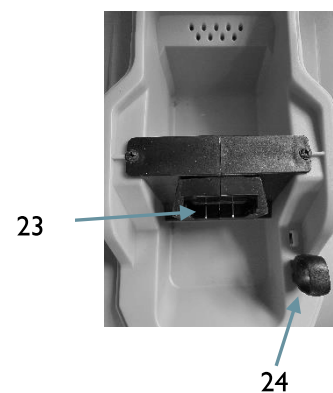
- |  |                                      |
|--|--------------------------------------|
| 1. Bail Switch   | 14. Grass Collection Box Level Gauge |
| 2. Starter Control Button                                | 15. Rear Flap                        |
| 3. Upper Handle  | 16. Mower Carrying Handle            |
| 4. Bolt Screw and Nut for fastening the upper handle x 2 | 17. Blade Housing                    |
| 5. Lower Handle x 2                                      | 18. Blade (not shown)                |
| 6. Pre-set screws for lower handles x 2                  | 19. Blade screw (not shown)          |
| 7. Nut for fastening lower handles x 2                   | 20. Battery Charger (not shown)      |
| 8. Battery Compartment Flap                              | 21. Battery                          |
| 9. Battery Compartment                                   | 22. Battery Release Buttons          |
| 10. Front Wheels   | 23. Battery Housing                  |
| 11. Cutting Height Adjustment Lever                      | 24. Battery Safety Key (cut-off)     |
| 12. Grass Collection Box                                 |                                      |
| 13. Grass Collection Box Handle                          |                                      |



### 21. Battery



### 9. Battery Compartment



## WARNING

Carefully remove all parts and any accessories from box. Make sure that all parts listed are included. Do not begin assembly or operate the product if any part is missing or damaged. Using a product with damaged or missing parts could result in serious personal injury. Contact our after-sales support team and request any missing or damaged parts are replaced or repaired. Do not discard the packing material until you have carefully inspected and satisfactorily operated the product. Do not insert the battery until assembly is complete and you are ready to operate. Failure to comply could result in accidental starting and possible serious personal injury.

## ASSEMBLY

**Please ensure batteries and safety key are removed from mower before commencing assembly.**

### Mounting the lower handle

1. Fasten the 2 x lower handlebars (5) on to the pre-set screws (6) with the nuts (7) on the right and left of the housing.
2. Turn the nuts (7) clockwise to tighten and secure.

### Mounting the upper handle

1. Carefully line up the bars of the upper handle so the screw holes are aligned with the screw holes on the lower handlebars.

**Please note:** The starter control button (2) must be located on the right-hand side and the bail switch (1) pointing upwards.

2. Place the bolt screws (4) in position through the aligned holes of the upper and lower handles, attached the nuts (4) and turn clockwise to tighten and secure the upper handle in place.
3. To remove the handles for transportation and storage, untighten the screws and either fold the upper handle or remove both upper and lower handles completely. Please safely store the screws when not in use.



## Attaching and removing the grass collection box

1. To attach the grass collection box (12), lift the rear flap (15) and attach the grass collection box to the rear of the mower. You will see two plastic prongs on the rear of the mower, the collection box fits over the top of these and should feel secure once in the correction position.
2. The rear flap (15) should lay on top of collection box (12) to hold it in the correct position.
3. To remove the grass collection box (12), hold the collection box handle (13) gently lift the rear flap (15) and detach the collection box by lifting it up off the plastic prongs. Gently lower the rear flap (15) back onto the mower.

## Grass Collection Box Level gauge

The level gauge (14) is located on the top (left-hand side) of the grass collection box.



Lever gauge flap slightly open: Grass collection box empty.



Lever gauge flap closed: grass collection box full.

## Adjusting the cut height


The mower has 5 positions for adjusting the cutting height:

- 25 mm – shortest cutting height
  - 35 mm
  - 45 mm – medium cutting height
  - 55 mm
  - 65 mm – Longest cutting height
1. Hold the mower carrying handle (16) and grip the cutting height adjustment lever (11), gently moving the lever away from the mower housing and adjusting to the desired cutting height.
  2. When the lever is in its most forward position the cutting height is at its longest length of 65mm  
The correct height is around 25 – 45 mm for a decorative lawn and around 45 – 65 mm for a used lawn.

PLEASE NOTE: A higher cut height should be selected for the first cut of the season.

**WARNING: Do not adjust the height while the mower is running**

## Mowing tips

 **NOTE:** A sharp blade will greatly enhance the performance of the mower, especially when cutting high grass. Be sure to check the blade and to sharpen it at least once per year or take it to your local gardening supplier.

- Make sure that the lawn is free of stones, sticks, wires, and other objects that could damage the blades or the motor. These objects could be accidentally thrown by the mower in any direction and could cause serious personal injury to the operator and to others. To prevent electric shock, do not operate the mower in damp or wet conditions.
- Do not mow in circles. Travel back and forth across the lawn.
- On slopes, always work across the slope.
- When cutting thick grass, reduce walking speed to allow for a more effective cut and a proper discharge of the clippings.
- For a healthy lawn, always cut off one-third or less of the total length of the grass. The average lawn should be approximately 1 ½ to 2" (3.8 to 5 cm) long during cool months, and between 2" to 3 ¼" (5 cm to 8.3 cm) long during hot months. If there is growth, the lawn can be cut in the autumn but not too short.

## Switching On and Off

1. Place the mower on a level surface.
2. Lift the battery compartment flap (8) on the battery compartment (9) and insert the charged battery (21) along the guide rail into the battery housing (23). You should be able to hear the battery lock into place.
3. Insert the battery safety key (24) into its opening, located next to the battery.
4. Before switching the mower on, make sure that it is not touching any objects and the operator is standing behind the mower.
5. To start the mower, press and hold the Starter Control Button (2)
6. Pull the bail switch (1) downwards towards handle, holding it in place and release the start control button (2).
7. To switch the apparatus off, let go of the bail switch (1).

**After switching off the equipment, the blade continues to turn for several seconds. Do not touch the moving blade. There is a risk of injury.**

## Charging the battery

**⚠ Do not expose the battery to extreme conditions such as heat or impact. Risk of injury from escaping electrolytic solution! After eye / skin contact, rinse the affected areas with water or a neutralizer and consult a doctor.**

**Charge the battery in a dry room only. Prior to attaching the charger, check that the battery's outer surface is clean and dry. There is a risk of injury due to electric shock.**

**Only use the charger provided to charge the battery.**

- Charge the battery before the first time of use. Do not briefly charge the battery several times in a row.
- If a fully recharged battery lasts for considerably shorter operating times, the battery has reached the end of its life and needs to be replaced.
- Always take heed of the applicable safety instructions as well as the environmental protection regulations and information.

The warranty excludes all defects caused by improper handling.

## Inserting and removing the rechargeable battery

Please ensure the mower is switched off and the blades have come to a standstill before either inserting a new battery or removing a battery.

1. To insert the battery, lift the battery compartment flap (8) on the battery compartment (9) and insert the charged battery (21) along the guide rail into the battery housing (23). You should be able to hear the battery lock into place. Insert the battery safety key (24) if not already in place.
2. To remove the battery (21) from the mower, press the release buttons and pull the battery out. Please ensure the battery is stored in the correct conditions.

## Recharging the battery

Switch off the mower, remove the battery safety key (24) and wait for the blades to come to a standstill.

Allow a freshly charged battery (21) to cool down for approximately 15 minutes before connecting to the battery charger (20).

1. Remove the battery (21) from the battery compartment (9).
2. Insert the charging cable into the charging port on the battery.
3. Plug the charger (20) into an electrical outlet. The three green lights on the battery will begin to flash in sequence.

4. Once all three lights are illuminated green the battery is fully charged. After the charging process is complete, disconnect the charger (20) from the main supply and remove the charging cable from the port on the battery.

### LED control indicators

- The three green LED indicators on the battery will flash in sequence during the charging process.
- All three green LED indicators will display a steady green light when the battery is fully charged.
- There is a small green button next to the LED indicators, if this button is pressed it will indicate the status of the battery charge. If all three LED indicators are illuminated the battery is fully charged. If only one LED indicator is illuminated the battery requires charging. The battery charge status can be checked whilst in the mower or whilst charging. Please ensure the mower is switched off, the blades have come to a complete standstill and the battery safety key (24) is removed before checking the status of the battery charge.

### NOTE:

### Care and maintenance

#### Removing and replacing the cutting blade

 **WARNING:** Always protect your hands by wearing heavy gloves and /or wrapping the cutting edges with rags or other materials when performing any maintenance on the blades. ALWAYS remove the battery and the battery safety key (24) when servicing or transporting the mower. Use only a replacement blade suitable for the mower.

#### Removing the blade

If the blade is blunt, it can be sharpened by a specialist workshop. If the blade is damaged or showing signs of imbalance, it must be replaced.

1. Ensure the mower is turned off with the battery removed. Turn the mower over.
2. Use sturdy gloves and hold the blade (18) firmly. Turn the blade screw (19) anticlockwise using a suitable sized spanner.
3. Install the new blade in the reverse order. Ensure that the blade is positioned correctly, and the blade screw tightened firmly.

## Cleaning the mower

**⚠ WARNING:** To reduce the risk of electric shock, do not expose the mower to water. The underside of the mower deck should be cleaned using a stiff brush after each use, because grass clippings, leaves, dirt, and other debris will accumulate, which will cause rust and corrosion.

Remove any build-up of grass and leaves on or around the motor cover using a stiff brush (do not use water).

Occasionally wipe the mower clean with a dry cloth. If debris builds up on the underside of the mower during use, stop the motor, disconnect it from the battery, and then tilt the mower forward or on its side and scrape it clean using a plastic scraper and stiff brush.

## Storing the mower

- The following steps should be taken to prepare the lawn mower for storage.
- Clean the mower as described in the previous section.
- Inspect the blade, and replace or sharpen it, if required.
- Lubricate the any moving parts using a general, household 3-in-1 oil.
- Store the mower in a dry, clean location. Do not store it next to corrosive materials, such as fertilizer or rock salt.
- Store the mower indoors, in a cool, dry place, out of the reach of children. Do not cover the lawn mower with a solid plastic sheet. Plastic coverings trap moisture around the mower, which can cause rust and corrosion.
- Allow the mower to cool before storing in a confined space.
- Remove the battery if storing the mower for long periods of time.
- For longer periods of storage, the battery should be in a partially charged state, approximately 40-60%, (two LED lights of the charge status indicator are illuminated).
- Avoid storing the battery in extremes of temperature.

## Technical specification

Voltage	20V DC
Battery capacity	Li-ion 4.0 Ah
No Load Speed	3500 rpm
Cutting width	320mm
Height adjustments	25-65mm
Protection Class	III

## Troubleshooting

<b>PROBLEM</b>	<b>POSSIBLE CAUSE</b>	<b>POSSIBLE SOLUTION</b>
The mower does not start.	The battery is not charged.	Charge the battery.
	The switch is defective.	Call the Customer Service team if still under guarantee. Alternatively seek professional support of a qualified repairer.
	Grass jammed at blade.	Remove battery and safety key and check under deck for jams.
	The battery is not attached to the motor.	Check the connection between the motor connector and the battery and remove any debris.
	Battery may require service or replacement.	Replace battery
	Key is not installed.	Insert the key.
The mower cuts the grass unevenly.	The lawn is rough or uneven.	Check the mowing area.
	The cutting height is not set properly.	Move the wheels to a higher setting.
The mower is hard to push.	The grass is too tall, or the cutting height is too low.	Raise the cutting height.
	The rear of the mower housing and the blade is dragging in thick grass.	Empty the grass clippings from the grass catcher bag to lighten it.

The mower is excessively noisy and vibrates	The motor shaft is bent	Stop the motor and remove the battery, inspect for damage. If required seek professional advice.
	The blade is unbalanced and may not be positioned correctly.	Re-set the blade before restarting.

### Li-Ion battery care & maintenance

Lithium-Ion rechargeable batteries require routine maintenance and care in their use and handling. Read and follow the guidelines to safely use Lithium-Ion batteries and achieve the maximum battery life span.

Do not leave batteries unused for extended periods of time, either in the machine or in storage. When a battery has been unused for 3 months or more, check the charge status and charge if required.

Lithium-Ion batteries continue to slowly discharge (self-discharge) when not in use or while in storage. Routinely check the battery's charge status.

If a battery is stored or otherwise unused for an extended period, follow the storage instructions. If damaged, do not attempt to recharge it or to use it. Replace it with a new battery.

### Storage

- Charge or discharge the battery to approximately 50% of capacity before storage.
- Charge the battery to approximately 50% of capacity at least once every six months.
- Remove the battery and store it separately from the product.
- Store the battery at temperatures between 5°C and 20°C (41°F and 68°F).

**Please note:** Higher temperatures (above 20°C or 68°F) reduce the battery storage life.

**Please note:** Storing the battery in temperatures lower than 1°C (34°F) or higher than 25°C (77°F) will reduce the battery life.