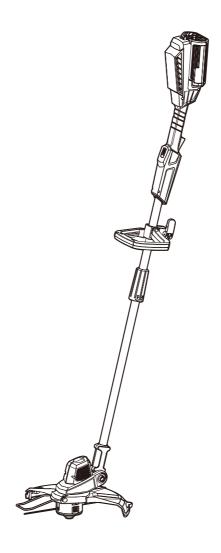
# LawnMaster

#### **Instruction Manual**

60V Max\* Lithium-ion Cordless Grass Trimmer CLGT6036A

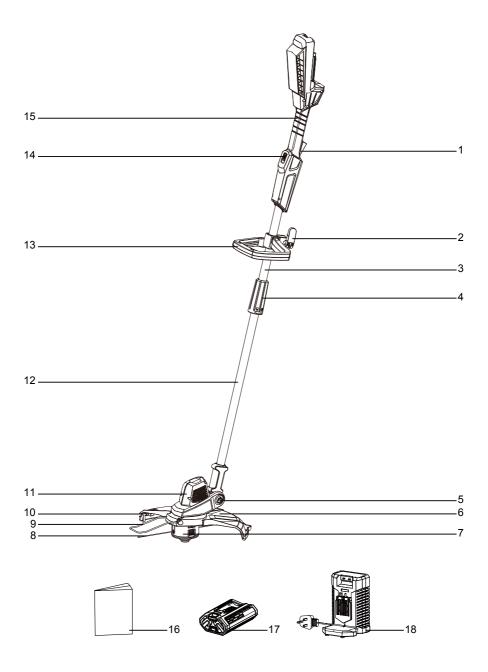


**Original Instructions** 



**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.





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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
<u> </u>	Caution
	Read instruction manual.
<u></u> •••	Keep bystanders away.
	Do not expose to rain.
	Wear eye protection.
•	Wear hearing protection.
R.	Disconnect the battery pack before any repair or maintenance.
<b>96</b> dB	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 by standers a safe distance away from the machine.
	Protection Class II
	Cutting Width
$\epsilon$	The product complies with the applicable European directives and an evaluation method of conformity for these directives was followed.
	Only recharge battery packs with the supplied charger indoors.
T/3.15A	Fuse.
	Do not dispose of electrical equipment in domestic waste.
Li-ion	Batteries contain Li-ion, waste batteries should be sorted for ecofriendly disposal. Do not dispose of waste batteries as unsorted municipal waste.

## **SYMBOLS**

SYMBOL	DESIGNATION/EXPLANATION
STWIDOL	DESIGNATION/EAF LANATION
	Do not dispose of battery packs in rivers or immerse in water.
<b>X</b>	Do not dispose of battery packs in fire.
Max 60°C	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.



# **<u>↑</u> 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.



# 🔨 WARNING

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

# **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.

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 personnel.

- When not in use, idle 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.

- 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 a sloping terrain.
- Always maintain a safe operating distance. Ensure the

- 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.

- 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.

- 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.

#### **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

- 1. On/Off Trigger
- 2. Quick Release Locking Lever
- 3. Upper Shaft
- 4. Locking Collar
- 5. Head Adjustment Button
- 6. Safety Guard
- 7. Spool
- 8. Cutting Line
- 9. Plant Protector

- 10. Line Cutting Blade
- 11. Motor Housing
- 12. Lower Shaft
- 13. Auxiliary Handle
- 14 Lock-off Switch
- 15 Main Handle
- 16. Instruction Manual
- 17. Battery Pack
- 18. Battery Charger

#### **ASSEMBLY**

#### **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 spool and onto rear of the motor housing as indicated.
- Secure the guard with the screws provided (Fig. 1).

#### Connecting the Upper and Lower Shafts (See Fig. 2)

- Align the upper shaft with the lower shaft. The triangle-shaped recesses must face each other (Fig. 2).
- Fasten both shafts with the locking collar. Ensure the shafts are secured tightly in place.

#### Attaching the Auxiliary Handle (See Figs. 3-4)

- Remove the quick release locking lever and bolt from the auxiliary handle.
- Align the handle assembly onto the upper shaft. Ensure the internal groove located within the handle aligns correctly with the depression located on the upper shaft. (Fig. 3)
- The auxiliary handle should be able to adjust up and down in position.
- Connect the quick release lever and bolt through the auxiliary handle. To tighten, turn clockwise and fold to secure in position (Fig. 4).

#### Installing and Removing the Battery Pack (See Fig. 5)

- Insert the battery pack along the support rails into the battery chamber on the underside of the handle. Ensure it clicks firmly into place (Fig. 5).
- To remove the battery pack, press the release latch on the battery and remove from the trimmer.

#### Switching On and Off (See Fig. 6)

- Slide the fully charged battery into the battery chamber underneath the handle.
- Engage and hold the lock-off safety switch. Activate the on/off trigger to operate, once started release the lock-off safety switch (Fig. 6).
- The amount of pressure applied to the on/off trigger will adjust the variable speed control.
- To switch off, release the on/off trigger.

#### **Cutting Device - Advancing the Trimmer Line**

This trimmer features a bump line feed. In order to advance the trimmer line, firmly tap the bump cap on the trimmer head while the trimmer is running. This will automatically advance a new length of trimmer line and trim the line to the correct length. A firm but gentle motion should be used when tapping the bump cap on the lawn. This advancing process may be repeated as often as necessary. Never try to advance the line on a hard surface. If the unit fails to advance, stop the trimmer and remove the battery pack, clean the bump cap both inside and out.

#### **Safety Guard**



# **CAUTION**

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

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

#### Pivoting Head (See Figs. 7-8)

- The trimmer head has seven different adjustable positions.
- To adjust the trimmer head, press the head adjustment button and angle the trimmer head to the desired position (Fig. 7 & 8).

#### Edging (See Fig. 9)

Note: The lower shaft can be twisted when edging.

- Firmly grasp the trimmer head and lower shaft assembly. Push the trimmer head away from the operating handle to disengage it from the lock position (Fig. 9).
- Rotate the trimmer head in an anti-clockwise direction 90 degrees until the trimmer head automatically engages into the edging locked position (Fig. 9).

#### Plant protector (See Fig. 10)



# **WARNING**

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

Use the plant protector to keep a safe distance from trees and flowers or other objects that could be hit by the cutting device (Fig.10). Plant protector can be retracted out of the way, when not required.

#### Trimming (See Figs. 11-15)



# WARNING

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

- Adjust the trimmer head into the correct position for the desired cutting method.
- 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. 11).
- 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. 12).

#### 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. 13).
- Do not cut wet grass, this tends to stick to the cutting device and guard and prevents proper discharge of grass clippings.
- Wait until the product has come to complete stop before placing it down.
- Regularly remove clippings and dirt from around the feed spool and guard. Ensure the product is switched off and the battery removed.
- Pay attention when preforming 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 maneuver 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. 14).

 Use the flower guard to avoid bringing the cutting device into contact with hard objects such as walls and curbs (Fig. 15).

#### **Battery Pack Operation**

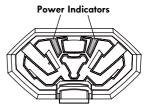
#### ■ Battery Charging

- Use only with 60V Lawnmaster<sup>®</sup> 60LFC03 battery charger. 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 220-240V 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 grass 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.

#### ■ Battery LED Panel

The battery is equipped with a charge-level indicator panel which indicates its current charge condition. Press and release the charge indicator button on the battery to actuate the charge level indicator. The charge level can be checked either when the battery is attached on the machine or removed from the machine

LEDs on battery (Continuous lighting)	Battery Capacity	
Green	50%~100%	
Orange	25%~ 50%	
Red	0-25% (Recharge required)	



## Charger Operation (See Fig. 16)



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.

- Align the two guide rails on the side of the battery pack with the support rails on the side of the charger. Slide the battery pack down until it locks into place (Fig. 16).
- Connect the charger to the power supply.
- After the battery is charged and the fan on the charger has stopped operating, 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.

#### Charger LEDs

- Charging: a flashing green LED on the charger indicates that the battery is charging normally.
- Charged: continuous green LED on the charger indicates that the battery is ready for use.
   Wait until the cooling fan stops, remove the battery pack from the charger and disconnect the charger from the power supply.
- Charging paused: a flashing red LED light on the charger indicates that charging is paused.
  - Red LED light flashing slowly: charging paused (battery temperature is not within the charging temperature range – charging will automatically resume once temperature within range).
  - Red LED light flashing quickly: the charger and/or the battery pack not communicating (unplug the charger from the power outlet and remove the battery from the charger. Wait for more than 1 minute, and then reinsert the mains plug of the charger into the power outlet. If charging does not continue call the aftersales helpline).

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:

SYMBOL	INDICATOR LIGHTS	STATUS	
11/	Green, flashing	Charging	
	Green, continuous	Fully charged	
\$1\$	Red, flashing	Charging Paused	

#### **MAINTENANCE**

#### **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

- Store the product 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.

#### **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. 17)

NOTE: Use only 0.080 in. (2 mm) diameter round monofilament line.



# **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 on either side of the spool cover and remove the cover from the holder.

#### **MAINTENANCE**

- Remove the empty spool and clean out any debris or grass residue from the spool cover.
- Align the cutaway sections in the replacement spool opposite the eyelets in the holder and thread the line through. Ensure the spool is securely fitted and replace the cover (Fig. 17).



# **CAUTION**

After changing the spool, run the trimmer under no load 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 Figs. 18-20)

- Remove the spool from the trimmer head.
- Take enough length of new cutting line. Fold the line in half and secure the central point on the mounting bracket to create a loop. Adjust it so that one end is approximately 3.5 in. (9 cm) longer than the other (Fig. 18).
- Align each length of cutting line onto the upper and lower chamber rails in the spool (Fig. 19).
- Wind the line onto the spool. Ensure the line is wound in the direction indicated by the arrows on the spool (Fig. 19).
- Place the ends of the line in two opposite anchor slots located on the top cover of the spool, with the extra length of line protruding (Fig. 20).

# **TROUBLESHOOTING**



# ♠ WARNING

ONLY PERFORM THE STEPS DESCRIBED WITHIN THESE INSTRUCTIONS!



# <u>∱</u> WARNING

REMOVE THE BATTERY PACK BEFORE TROUBLESHOOTING.

PROBLEM	POSSIBLE CAUSE	SOLUTION
	The battery pack is not properly inserted.	Insert the battery pack properly.
The product doesn't start.	The battery pack is discharged.	Remove and charge the battery pack.
	The battery pack is damaged.	Contact the customer helpline.
	Other electrical defect to the product.	Check by a specialist electrician.
The product doesn't reach full power.	The battery pack capacity is too low.	Charge the battery pack.
Unsatisfactory result.	The cutting line is worn or damaged.	Replace the spool.
	The battery contacts are contaminated.	Clean the battery contacts (e.g. by inserting and removing the battery several times) or replace the battery.
No-charging procedure possible.	Socket outlet, fuse, mains cable or battery charger are defective.	Check the mains voltage and fuse, if necessary have the battery charger checked by an authorised customer service station.
	The battery has a fault.	Contact the After Sales Helpline.
The red and green LED is flashing alternatively on the charger.	The battery is in a low voltage status and needs re-activate.	The battery is undergoing an additional 30 minute recovery charge. Please maintain the normal charging procedure. And once complete and fully charged, the LED will change to green continuous.

# **SPECIFICATIONS**

#### 60V Grass Trimmer CLGT6036A

Rated Voltage	60V MAX* ====
Cutting Width	36cm
Speed	6500min <sup>-1</sup>
Sound Pressure Level (L <sub>PA</sub> )	83.9dB(A) K=3dB
Sound Power Level (L <sub>WA</sub> ) Guaranteed	96dB(A)
Sound Power Level (L <sub>WA</sub> ) Measured	93dB(A) K=2.48dB
Vibration (a <sub>h</sub> )	≤2.5m/s <sup>2</sup> K=1.5m/s <sup>2</sup>
Cutting Line Diameter	2.0mm
Weight (Without 2.0Ah Battery)	3.27kg

#### **CHARGER**

Model No.	60LFC03
Charger Input	220-240V~50/60Hz 1.76A
Charger Output	60V ===4.0A
Charging Period (Battery Fully Discharged)	40min (For 60LB2030)
Weight of Charger	1.12kg
Insulation Protection of Charger	

#### **BATTERY**

Model No.	60LB2030
Rated Voltage of Battery	60V MAX* ====
Capacity of Battery	2.0Ah
Battery Type	Lithium-lon
Weight of Battery	1.03kg

<sup>\*</sup>Maximum initial battery workload voltage (measured without a workload) is 60 volts. Nominal voltage is 54 volts.

### **RECYCLING AND DISPOSAL**



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.

