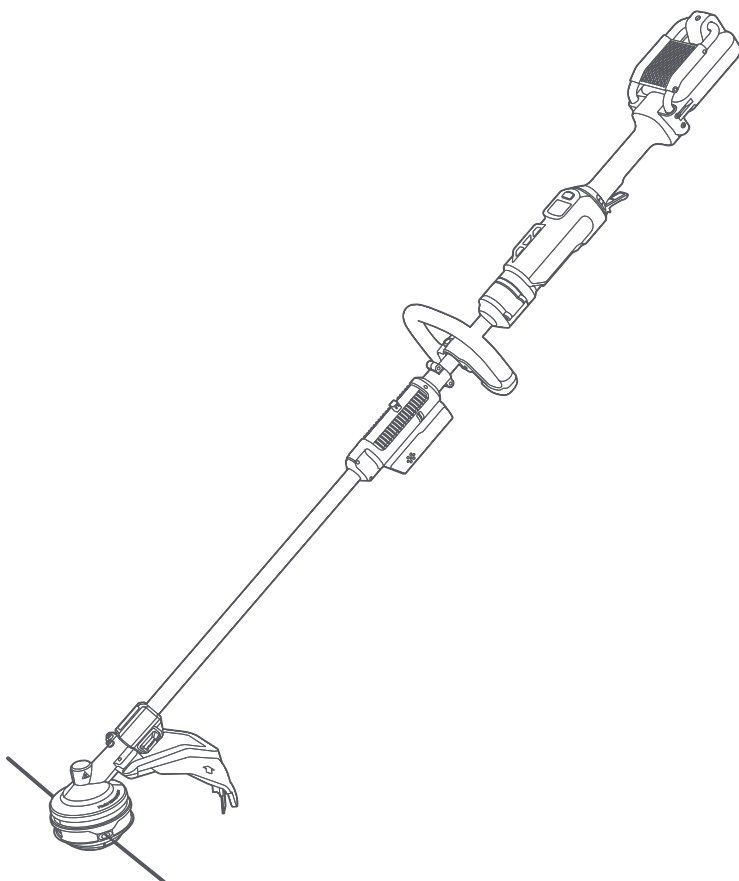


MOVA



60V 40cm Brushless Grass Trimmer

Model Number: GT616TC / GT616TCX

User Manual

⚠ WARNING: Thoroughly read and understand the manual before using this product. Save this user manual for future reference.

● Images are for reference only. Actual appearance may vary.

Table of Contents

1 Safety Instructions.....	3
2 Product Introduction	9
3 Assembly	12
4 Operation	14
5 MOVAhome App	17
6 Maintenance	18
7 Troubleshooting	23
8 Specifications.....	26

1 Safety Instructions

1.1 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.

1.1.1 Work Area Safety

- **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
- **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

1.1.2 Electrical Safety

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

1.1.3 Personal Safety

- **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.

- **Use personal protective equipment. Always wear eye protection.** Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.

- **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.

- **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.

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

- **Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.

- **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.

- **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.

1.1.4 Power Tool Use and Care

- **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.

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

- **Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.

- **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.

- **Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
- **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.
- **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

1.1.5 Battery Tool Use and Care

- **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
- **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another.** Shorting the battery terminals together may cause burns or a fire.
- **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** Liquid ejected from the battery may cause irritation or burns.
- **Do not use a battery pack or tool that is damaged or modified.** Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.
- **Do not expose a battery pack or tool to fire or excessive temperature.** Exposure to fire or temperature above 130°C (265°F) may cause explosion.
- **Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions.** Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

1.1.6 Service

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

should only be performed by the manufacturer or authorized service providers.

1.2 Grass Trimmer Safety Warnings

- **Do not use the machine in bad weather conditions, especially when there is a risk of lightning.** This decreases the risk of being struck by lightning.

- **Thoroughly inspect the area for wildlife where the machine is to be used.** Wildlife may be injured by the machine during operation.

- **Thoroughly inspect the area where the machine is to be used and remove all stones, sticks, wires, bones, and other foreign objects.**

Thrown objects can cause personal injury.

- **Before using the machine, always visually inspect to see that the cutter or blade and the cutter or blade assembly are not damaged.**

Damaged parts increase the risk of injury.

- **Follow instructions for changing accessories.** Improperly tightened blade securing nuts or bolts may either damage the blade or result in it becoming detached.

- **Wear eye, ear, head and hand protection.** Adequate protective equipment will reduce personal injury by flying debris or accidental contact with the cutting line or blade.

- **While operating the machine, always wear non-slip and protective footwear. Do not operate the machine when barefoot or wearing open sandals.** This reduces the chance of injury to the feet from contact with the moving cutters or lines.

- **While operating the machine, always wear long trousers.** Exposed skin increases the likelihood of injury from thrown objects.

- **Keep bystanders away while operating the machine.** Thrown debris can result in serious personal injury.

- **Always use two hands when operating the machine.** Holding the machine with both hands will avoid loss of control.

- **Hold the machine by the insulated gripping surfaces only, because the cutting line or blade may contact hidden wiring.** Cutting line or blades contacting a "live" wire may make exposed metal parts of the machine "live" and could give the operator an electric shock.

- **Always keep proper footing and operate the machine only when standing on the ground.** Slippery or unstable surfaces may cause a loss of balance or control of the machine.

- **Do not operate the machine on excessively steep slopes.** This reduces the risk of loss of control, slipping and falling which may result in personal injury.



- **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.

- **Keep all parts of the body away from the cutter, line or blade when the machine is operating. Before you start the machine, make sure the cutter, line or blade is not contacting anything.** A moment of inattention while operating the machine may result in injury to yourself or others.
- **Do not operate the machine above waist height.** This helps prevent unintended cutter or blade contact and enables better control of the machine in unexpected situations.
- **When cutting brush or saplings that are under tension, be alert for spring back.** When the tension in the wood fibres is released, the brush or sapling may strike the operator and/or throw the machine out of control.
- **Use extreme caution when cutting brush and saplings.** The slender material may catch the blade and be whipped toward you or pull you off balance.
- **Maintain control of the machine and do not touch cutters, lines or blades and other hazardous moving parts while they are still in motion.** This reduces the risk of injury from moving parts.
- **Carry the machine with the machine switched off and away from your body.** Proper handling of the machine will reduce the likelihood of accidental contact with a moving cutter, line or blade.
- **Only use replacement cutters, lines, cutting heads and blades specified by the manufacturer.** Incorrect replacement parts may increase the risk of breakage and injury.
- **When clearing jammed material or servicing the machine, make sure the switch is off and the battery pack is removed.** Unexpected starting of the machine while clearing jammed material or servicing may result in serious personal injury.

1.4 Symbols and Decals

This section explains the safety symbols and decals that appear in this manual and on the product. Understanding these markings is essential for safe and proper operation.

Symbol	Explanation
	Indicates potential damage or personal injury hazard.
	To reduce the risk of injury, read and understand the User Manual before operating. Failure to do so may result in serious injury to the user and/or bystander.

	<p>Keep a safe distance—Maintain at least 15 m (50 ft) between the machine and bystanders.</p>
	<p>Beware of thrown objects—They may ricochet and cause injury or damage. Keep people and pets clear while operating the trimmer.</p>
	<p>Do not use the metal blades on the line trimmer.</p>
	<p>Wear a helmet, goggles, and ear protection.</p>
	<p>Wear protective gloves.</p>
	<p>Wear sturdy boots with nonslip soles.</p>
	<p>Guaranteed sound power level. Noise emission to the environment according to the European Community's Directive.</p>
	<p>Do not dispose of electrical products with household waste. Recycle through authorized facilities.</p>
	<p>Indicates compliance with EAC regulations for sale in member countries.</p>
	<p>Indicates compliance with applicable European directives.</p>
	<p>Indicates compliance with electrical safety and EMC standards in Australia and New Zealand.</p>
	<p>Indicates resistance to water splashes from any direction.</p>
	<p>Direct current</p>
	<p>WARNING – Disconnect battery before maintenance.</p>

2 Product Introduction

2.1 What's in the Box

1	Grass Trimmer
2	Adjustable Front-assist Handle
3	Cutting Line (in trimmer head)*
4	Grass Trimmer Guard
5	Battery Pack*

6	Charger*
7	Hex Wrench
8	User Manual
9	Warranty Card

*The actual accessories supplied may vary depending on the product model, sales region, production batch, or package configuration.

NOTE:

- Examine the tool and accessories listed above for any signs of shipping damage.
- If any part is missing or damaged, contact the retailer or MOVA Customer Service.
- Retain the packaging materials until you have fully inspected and tested the product.

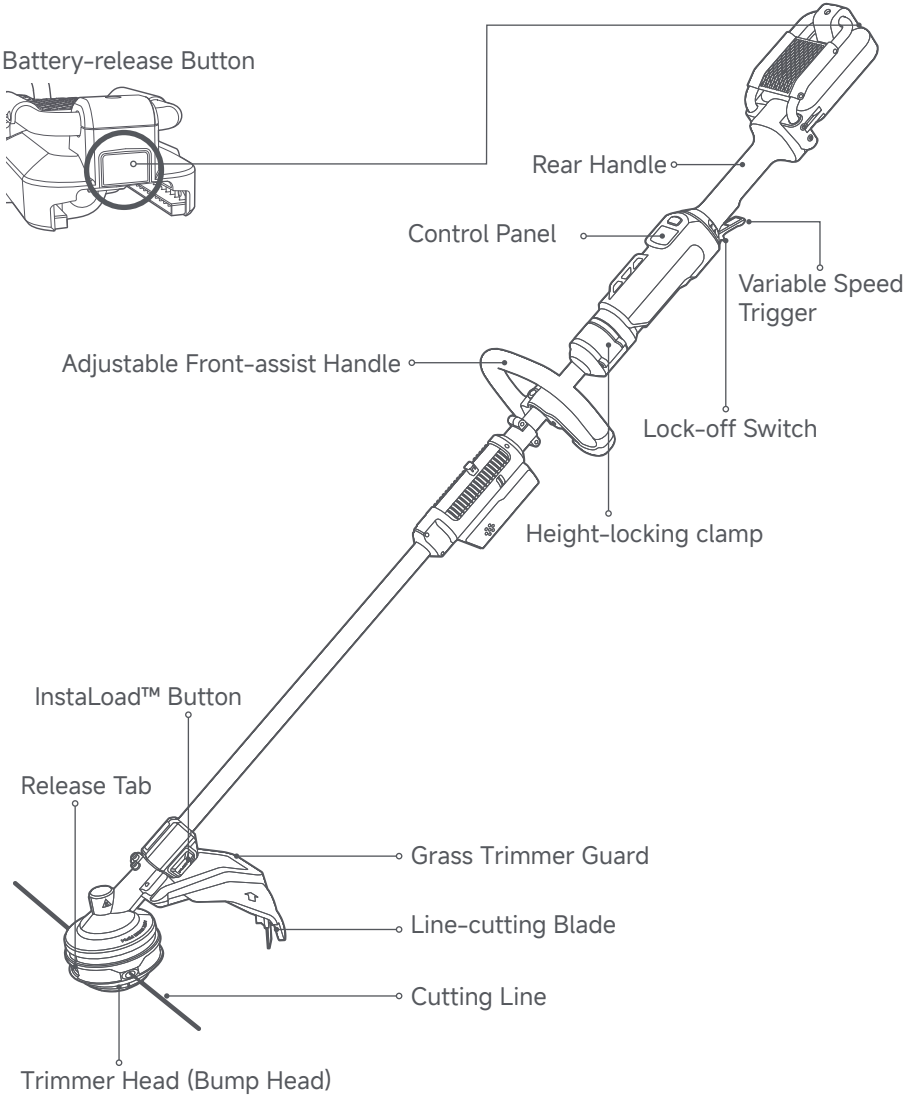
2.2 Recommended Accessories

⚠ WARNING: Use only the accessories listed below. Using non-approved accessories may result in poor performance or safety hazards.

Battery Pack	GBA625, GBA650
Charger	GCH606, GCH612

NOTE: For use instructions of the battery pack and charger, please refer to the respective user manuals.

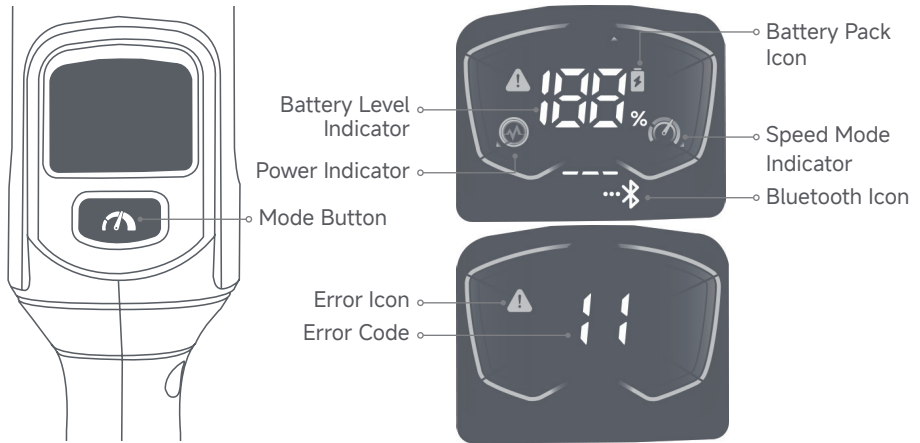
2.3 Product Overview



2.4 Control Panel

This section introduces the tool's function button and the screen display that indicates the product status.

NOTE: The screen turns off automatically if no operation is detected for 10 minutes.



Mode Button	Press to activate the screen or adjust the speed.
Bluetooth Icon	Lights up when the tool is successfully connected via Bluetooth.
Battery Level Indicator	Displays the current battery level (%) when the screen is activated.
Battery Pack Icon	Lights up when the battery pack is properly installed and the display is on.
Power Indicator	Displays the current power output level of the tool.
Speed Mode Indicator	Indicates the current speed mode selected. 1=Low Speed; 2=Medium Speed; 3=High Speed
Error Icon	Lights up when a system malfunction is detected.
Error Code	Lights up when a system malfunction is detected. Refer to the displayed error code to troubleshoot the issue or contact Customer Service for help.

3 Assembly

This product is delivered partially assembled and requires additional assembly before use.

⚠ WARNING: To avoid accidental starting that may cause serious personal injury, always remove the battery pack and make sure the motor has completely stopped before assembling or adjusting the tool.

⚠ WARNING: Do not assemble the tool if any parts are damaged or missing. Operating with damaged or missing parts may result in serious injury.

⚠ WARNING: Use only manufacturer-approved accessories and parts. Unauthorized modifications or misuse may cause serious injury.

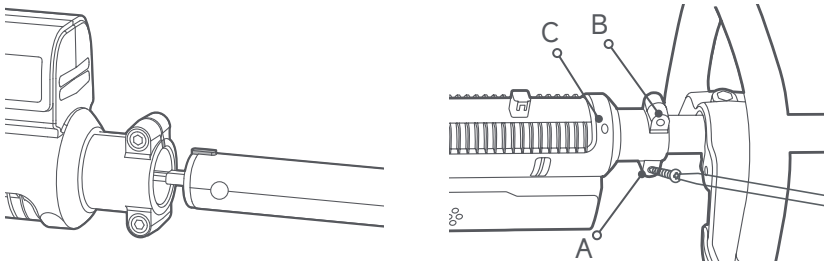
⚠ WARNING: Do not attempt to start the tool unless all components are securely installed.

⚠ WARNING: Remove all adjustment tools after installing or replacing parts.

3.1 Assembling the Shaft

⚠ WARNING: To avoid pinching your hands or fingers, do not hold the shaft at the joint.

1. Place the grass trimmer on the ground or on the floor.
2. Push the electrical cable fully into the shaft without bending or pinching it.
3. Align the locating tab with the corresponding slot at the joint, then slide the two shafts firmly together until fully seated.



4. Using the hex wrench (supplied), tighten the three screws as shown to securely lock the assembly.

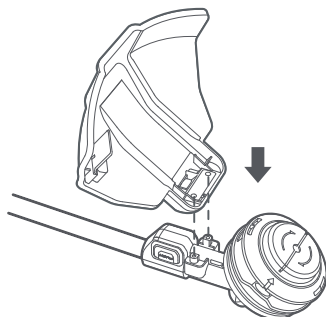
3.2 Installing the Guard

⚠ WARNING: Always wear protective gloves when handling the grass trimmer guard. The line-cutting blade on the guard is intended to limit

the length of the nylon cord and is sharp—handle with care to avoid injury.

⚠ WARNING: Never use the tool without the guard or with the guard improperly installed. Failure to do so can cause serious personal injury.

1. Place the grass trimmer on the ground or the floor with the trimmer head facing upward.
2. Align the two pre-installed screws on the guard with the matching holes on the shaft. Tighten both screws securely using the hex wrench (supplied).



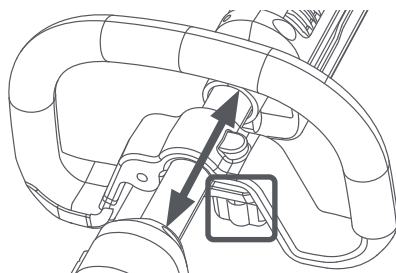
3.3 Mounting and Adjusting the Front-assist Handle

1. Loosen and remove the wing nut from the front-assist handle to release the clamp.

2. Place the handle onto the shaft, ensuring the clamp opening faces to the right. Close the clamp so the screw passes through the hole.

NOTICE: Mount the front-assist handle within the designated zone between the height-locking clamp and the joint on the shaft.

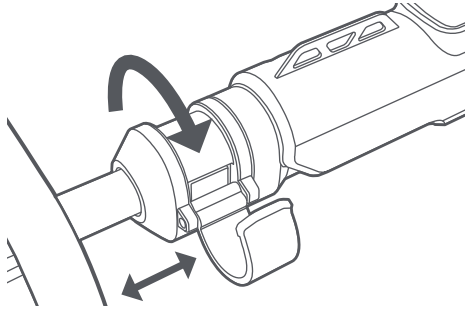
3. Install the wing nut onto the screw. Adjust the handle to a comfortable operating position, then hand-tighten the wing nut to secure it firmly.



3.4 Adjusting the Height

If the shaft length is not suitable for operation, adjust it using the height-locking clamp.

1. Open the height-locking clamp, slide the shaft up or down to the desired height, then close the clamp to secure it in place.
2. Reposition the front handle if needed after adjusting the shaft height.



4 Operation

Before each use, inspect the tool thoroughly. Check for any signs of damage, loose fasteners, or improper assembly. Pay special attention to the cutting attachment, guard, front handle, shoulder strap, fasteners, and switches. Replace any cracked, bent, or worn parts.

⚠ WARNING: Inspect the tool for damage upon striking a hard object or if there appears to be excessive vibration.

⚠ WARNING: Always use eye protection, a dust mask, non-slip safety footwear, and hearing protection as required. Appropriate personal protective equipment reduces the risk of injury from flying debris, noise, or slipping.

⚠ WARNING: Always hold and operate the tool on your **right-hand** side, never cross your body.

⚠ WARNING: Do not touch the motor immediately after use. The surface may be hot and could cause burns.

⚠ WARNING: Do not let familiarity from frequent use lead to carelessness. Always follow all safety guidelines and operating instructions.

4.1 Installing/Removing the Battery Pack

⚠ WARNING: Use only the battery packs specified in **Section 2.2**. Use of any other battery packs may create a risk of injury and fire. Fully charge the battery pack before first use.

⚠ WARNING: Do not use a damaged or modified battery pack. Damaged

batteries can behave unpredictably and may cause fire, explosion, or injury. Do not use any battery that appears cracked, deformed, or otherwise compromised.

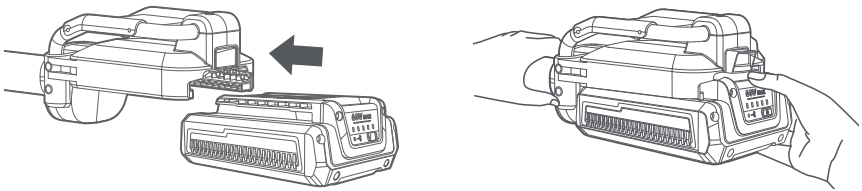
To install

1. Align the ribs on the battery pack with the mounting slots in the tool.
2. Slide the battery pack in until it clicks into place.

To remove

⚠ WARNING: To avoid injury from a dropped battery pack, keep your feet clear of the battery's drop path and keep children or pets at a safe distance. Never remove the battery pack at a high position.

1. Hold the battery pack securely in the palm of your hand.
2. Press the battery-release button with your thumb to release the battery pack from the latch.
3. Pull the battery pack straight out of the tool.

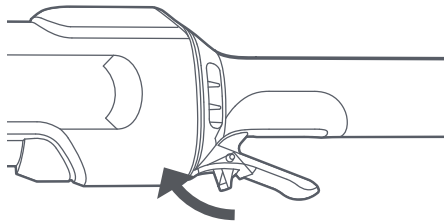


4.2 Starting/Stopping the Tool

To start

⚠ WARNING: This tool is equipped with a lock-off switch to prevent accidental startup. Do not use the tool if it starts by pulling the trigger alone without engaging the lock-off switch. Return the tool to our authorized service center for inspection before further use.

1. Push and hold the lock-off switch forward.
2. While holding the lock-off switch, squeeze the trigger.



To stop

⚠ WARNING: Always remove the battery pack from the tool during breaks or after use.

1. Move the cutting attachment away from the cutting area.

2. Release both the trigger and the lock-off switch to stop the tool.

4.3 Adjusting Speed and Shifting Gears

The tool automatically detects the installed cutting attachment and adjusts the rotation speed accordingly. To manually adjust the speed or switch gears, follow the steps below.

To adjust the speed

1. Push and hold the lock-off switch forward, then squeeze the trigger.
2. Apply greater pressure to the trigger to increase speed; reduce pressure to slow down.

To shift gears

- The tool offers three speed settings. Press the mode button to cycle through: 1 → 2 → 3 → 1.



NOTE: This tool features a memory function. When powered on, it automatically resumes the gear setting used during the last operation.

4.4 Feeding Out the Cutting Line

- Lightly tap the grass trimmer head on the ground while it is rotating to feed out the line.

NOTE:

- The bump feed will not operate properly if the grass trimmer head is not rotating.
- If the line fails to advance when tapping the head, reload or replace it following the steps in **Section 6.2**.

4.5 Tips for Best Performance

- **Start with a fully charged battery.** This ensures full power and reduces motor strain during operation.
- **Keep the cutting head parallel to the ground.** A level angle delivers a cleaner, more even cut and prevents scalping. When working on a slope, adjust the head angle so that the cutting surface stays parallel to the slope.
- **Trim tall grass in layers.** Cut gradually in multiple passes to reduce

strain on the motor and avoid damaging the lawn.

5 MOVHome App

The MOVHome app allows you to monitor your tool's status, view total operation time, check cycle counts, access user guides, and identify potential issues.

5.1 Connecting to the MOVHome App


1. Scan the QR code below or search for "MOVHome" in the App Store or Google Play. Install the app, create an account, and log in.




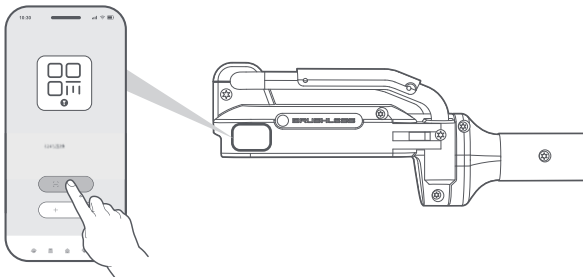
2. Open the MOVHome app and enable Bluetooth function on your mobile device.



NOTE: Please make sure that both the tool and your mobile device are within range of the same Wi-Fi network, and your mobile device is within 10 m of the tool.

3. Follow the instructions in **Section 4.1** to properly and securely install the battery pack into the tool, activating the tool's display screen.

4. Press and hold the  button for 4 seconds to enter Bluetooth pairing mode. Then, pair the tool with your mobile device using one of the following two methods:

• **Scan QR code:** Go to  **Device** >  **Scan to Connect**, then scan the code on the tool as shown below.






- **Add Manually:** Go to  **Device** >  **Add**, then select your tool model.
5. Follow the in-app instructions to complete the connection. The Bluetooth Icon on the screen lights up when successfully paired.

5.2 Unbinding



The tool is automatically bound to the MOVAhome account once pairing is successful. Each tool can only be bound to one account at a time.

To pair the tool with a new account, you need to unbind it first:


1. Open the MOVAhome app and go to  **Device**.
2. If you have multiple tools bound to your MOVAhome account, swipe left or right to access the page of the tool you want to edit.
3. Tap  next to the tool's name.
4. Select  **Delete**.

NOTE: Unbinding will permanently erase all user data associated with the tool from the cloud.


5.3 Sharing Your Device


1. Tap  next to the tool's name.
2. Select  **Device Sharing**.


5.4 Logging out / Deleting Account

1. Go to  **Me** > **Settings** > **General** > **Account**.
2. Select **Log Out** or **Delete Account**.

6 Maintenance


 **WARNING:** Make sure the tool is turned off and the battery pack is removed before servicing, cleaning, or changing attachments. Failure to do so may result in serious personal injury.

 **WARNING:** Have your power tool serviced by qualified personnel using only identical replacement parts. Improper repairs may result in serious hazards.

 **WARNING:** All servicing not described in this manual should be carried out by authorized service personnel.

6.1 Cleaning

To maintain optimal performance, safety, and service life of your tool, clean the unit and its key components after each use.

 **WARNING:** Always wear protective gloves to prevent injury from sharp components.

 **WARNING:** After cleaning, ensure all components are completely dry

before reassembly or storage. Moisture may cause electric shock.

⚠ CAUTION: Clean the unit using mild detergent only. Avoid strong detergents or solvents, especially those containing aromatic oils (e.g., pine, lemon) or chemicals such as ketones, which may damage plastic components, including the housing and handle.

- **Grass Trimmer Head:** Rinse the head with clean water. Use a brush if needed to remove stubborn debris.
- **Guard:** Clean off the debris, clogged soil or grass on the guard with a soft brush. Use a damp cloth with mild detergent if necessary.
- **Air Vents:** Use a small brush or a small vacuum cleaner to clean the air vents. Never spray or wipe with water.

6.2 Replacing the Cutting Line

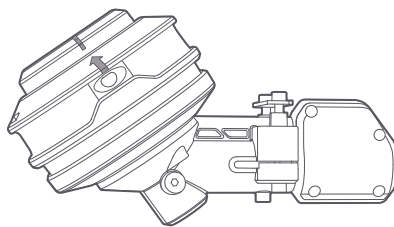
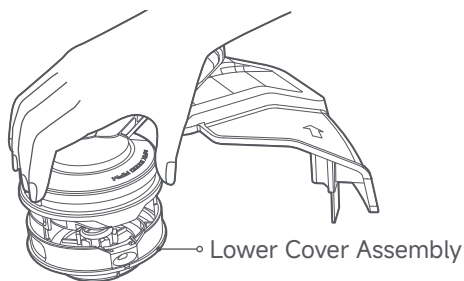
⚠ WARNING: Never use wire, metal-reinforced lines, or other substitutes, as they may break apart and cause injury.

⚠ CAUTION: Use the recommended 2.4 mm diameter nylon cutting line. An incorrect line type may cause the tool to overheat or become damaged.

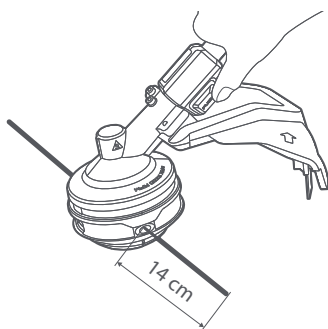
Refill the spool if it is too short (causing it to come off), worn, or broken;

Reload the line if it is jammed in the trimmer head.

1. Remove the battery pack from the tool.
2. Press the release tabs to unlock the lower cover assembly and remove the old cutting line.
3. Reinstall the lower cover securely, then align the eyelet arrow with the notch on the bump surface.



4. Insert one end of the line into the eyelet and feed it through until it comes out the opposite side. Pull the line from both ends until equal lengths extend from each side of the trimmer head.
5. Install the battery pack.
6. Press and hold the InstaLoad™ button to activate the line-winding motor. Release the button when approximately 14 cm of cutting line extends from each side.



⚠ WARNING: Do not operate the line-winding system repeatedly in rapid succession. Doing so may cause damage to the motor.

7. Tap the trimmer head on the ground to check whether the line advances properly. If it does not, repeat the above steps.

NOTE:

- If the line is slightly uneven, start the tool—any excess will be trimmed automatically by the line-cutting blade.
- If the two ends differ significantly in length, or if one or both ends are pulled into the trimmer head, repeat the steps above to reload the cutting line.

6.3 Replacing the Grass Trimmer Head

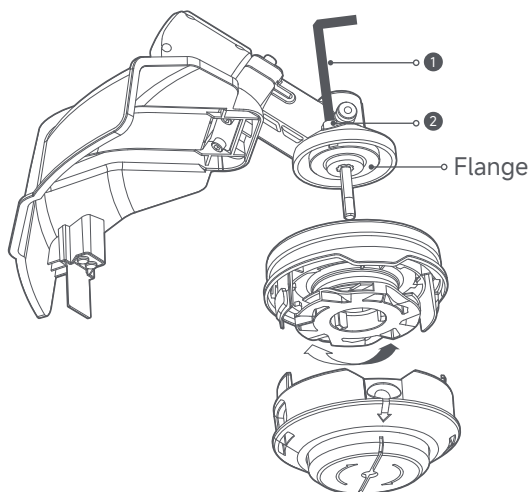
⚠ WARNING: If the trimmer vibrates excessively during use, inspect the trimmer head for signs of wear or damage. Replace it immediately if any wear or damage is found. Using a faulty trimmer head can cause it to shatter at high speed, leading to serious injury from flying debris.

⚠ WARNING: Always wear protective gloves and keep your hands away from the line-cutting blade on the guard.

⚠ WARNING: Remove all adjustment tools after replacement.

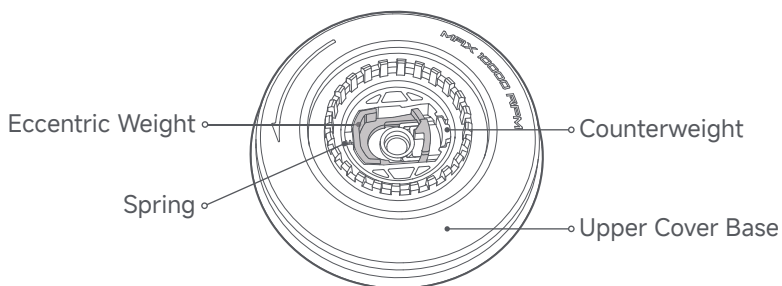
To remove the trimmer head

1. Remove the battery pack from the tool.
2. Press the release tabs to unlock the lower cover assembly, and remove the old cutting line.
3. Insert the long end of the hex wrench (1) through the hole (2) in the gear case, and rotate the spool assembly until the wrench is fully seated to lock the spindle. A distinct click will be felt when it is properly in place.
4. Use the multi-function wrench to loosen the nut. Remove the nut, two plain washers, and spool assembly.
5. Remove the entire upper cover assembly from the motor shaft.

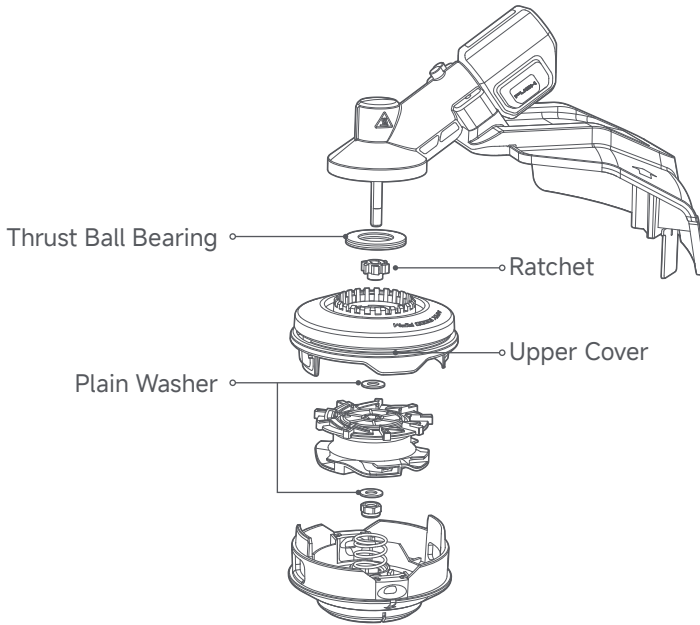


To install a new trimmer head (Sold Separately)

1. Remove the battery pack from the tool.
2. Press the release tabs to unlock the lower cover assembly of the new trimmer head.
3. Place the counterweight, spring, and eccentric weight into the upper cover base.



4. Install the ratchet, thrust ball bearing (three separate pieces) in sequence.
5. Install one plain washer and the spool assembly. Slide the assembled parts onto the motor shaft until it seats against the flange.
6. Install the other plain washer and nut on the motor shaft. Insert the long end of the hex wrench to lock the spindle, then tighten the nut securely using the multi-function wrench.
7. Reinstall the lower cover securely, then align the eyelet arrow with the notch on the bump surface.
8. Load the cutting line as described in **Section 6.2**.



6.4 Sharpening the Line-cutting Blade

⚠ WARNING: Always wear eye protection and protective gloves to reduce the risk of injury from sharp edges.

1. Remove the battery pack from the grass trimmer.
2. Remove the line-cutting blade from the grass trimmer guard.
3. Secure the blade firmly in a vise.
4. Using a fine-tooth file or sharpening stone, carefully sharpen the cutting edges while maintaining the original bevel angle.
5. Reattach the blade to the guard.

NOTICE: For optimal performance and safety, MOVA recommends having line-cutting blade professionally sharpened and balanced by an authorized service dealer.

6.5 Transporting and Storing

⚠ WARNING: Store the tool indoors in a dry, secure location, out of the reach of children. Failure to do so may result in fire, electric shock, or personal injury.

⚠ CAUTION: Keep the tool away from fertilizers, gasoline, de-icing salts, and other corrosive substances.



- When transporting the tool, carry it in a horizontal position by holding the shaft with the cutting attachment facing behind you.
- When transporting the tool by vehicle, secure it to prevent overturning and movement.

- Clean and maintain the tool thoroughly before storage.

7 Troubleshooting

ISSUE	CAUSE/ERROR CODE	SOLUTION
Tool does not start	The battery pack is not attached or is attached incorrectly to the tool.	Attach the battery pack securely to the tool.
	The battery pack is depleted.	Charge the battery pack.
	The battery pack is overheated. (Error code E01)	Allow the battery pack to cool below 65°C (149°F).
	The tool is overheated. (Error code E07)	Allow the tool to cool below 65°C (149°F).
	The lock-off switch is not engaged before pressing the variable speed trigger.	Push and hold the lock-off switch forward, then squeeze the variable speed trigger.
	The motor shaft or grass trimmer head is blocked by grass or debris. (Error code E06)	Remove any blockage from the motor shaft and the trimmer head.
	Battery pack malfunction (Error code E11)	Please contact MOVA Customer Service for help.
	Tool malfunction (Error code E13/E16/E18)	Please contact MOVA Customer Service for help.
Tool stops while operation	The motor shaft or grass trimmer head is blocked by grass or debris. (Error code E06)	Remove any blockage from the motor shaft and the trimmer head.
	Heavy cutting line is used.	Use 2.4 mm nylon line as recommended.
	The battery pack is overheated. (Error code E01)	Allow the battery pack to cool below 65°C (149°F).
	The tool is overheated. (Error code E07)	Allow the tool to cool below 65°C (149°F).

Grass trimmer head does not advance line	The trimmer head is bound with grass.	Stop the tool, remove the battery, and clear the blockage.
	The line is tangled.	Remove the battery and reload the line. (see Section 6.2).
	The line is too short.	Remove the battery and refill the line (see Section 6.2).
	Heavy cutting line is used.	Use 2.4 mm nylon line as recommended.
	Trimmer head malfunction.	Replace the trimmer head (sold separately).
Grass trimmer head releases line continuously	Light cutting line is used.	Use 2.4 mm nylon line as recommended.
	Trimmer head malfunction.	Contact MOVA Customer Service for repair.
Cutting line cannot be threaded through trimmer head	<ul style="list-style-type: none"> • The cutting line is split or bent at the end. • The eyelet arrow was not aligned with the notch on the bump surface. 	<ul style="list-style-type: none"> • Cut the worn end of line and reinsert. • Align the eyelet arrow with the notch on the bump surface, then reinsert.
Cutting line cannot be wound into the trimmer head properly	Improper cutting line is used.	Use 2.4 mm nylon line as recommended.
	Grass debris or dirt has accumulated inside the trimmer head and blocked the movement of the line spool.	Remove the battery pack, open the trimmer head, and clean it thoroughly.
	The motor has overheated due to repeated operation of the line-winding system.	Allow the trimmer to run under no load for several minutes to cool the motor, then reload the cutting line (see Section 6.2).
	Low battery capacity	Charge the battery pack.
	The line is not wound into the spool assembly.	Pull out the line and reinsert it.
	Trimmer head malfunction.	Contact MOVA Customer Service for repair.

Display screen malfunctions	Screen or wire connection is damaged.	Contact MOVA Customer Service for repair.
Failure to connect to the APP	<ul style="list-style-type: none"> • Battery pack is out of Bluetooth range. • If holding the  on the battery pack for 2 seconds (until the Bluetooth indicator light flashes blue) does not work, the battery pack or the tool may already be paired with another account. 	<ul style="list-style-type: none"> • Keep the battery pack within 10 m from the mobile device. Insert the Bluetooth-paired battery pack into the tool, or insert the battery pack first and then connect via Bluetooth. • Press and hold the  for 4 seconds (until the Bluetooth indicator light flashes rapidly in blue) to re-enter pairing mode.

8 Specifications

Model	GT616TC / GT616TCX*
Voltage	60V ===
Handle Type	Loop handle
Net Weight (without battery pack)	4.2 kg
Cutting Line Type	2.4 mm Nylon twist line
Cutting Width	40 cm
Operating Temperature	32°F - 104°F (0°C - 40°C)
Storage Temperature	-4°F - 158°F (-20°C - 70°C)
No Load Speed	1: 4500 / min 2: 5000 / min 3: 5500 / min
Measured Sound Power Level LwA	93.45 dB(A) K=3.0 dB(A)
Sound Pressure Level at Operator's Position LpA	84 dB(A) K=3.0 dB(A)
Guaranteed Sound Power Level LwA (measured according to 2000/14/EC)	96 dB(A)
Vibration Value	Front handle: 2.232 m/s ² Rear handle: 2.204 m/s ² K=1.5 m/s ²

*X=0-999, A-Z may vary depending on the sales region or package configuration, with no safety-related changes between these models.

NOTE: The declared noise emission value(s) and vibration total value(s) are measured in accordance with a standard test method, and may be used both for comparing tools and for making a preliminary assessment of exposure.

⚠ WARNING: The noise and vibration emissions during actual use of the power tool may differ from the declared value(s), depending on how the tool is used. To protect the operator, hearing protection and gloves should be worn under actual working conditions.

MOVA



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other fellow users.**

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