



**Cordless Grass Trimmer
Operators' Manual**

Model: MNA2071

2018

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CONTENT

SECTION 1 SYMBOLS.....	2
SECTION 2 RULES FOR SAFE OPERATION	3
SECTION 3 GENERAL IDENTIFICATION	4
SECTION 4 TECHNICAL DATA.....	5
SECTION 5 ASSEMBLY INSTRUCTION	5
SECTION 6 ADJUST CUTTING WIDTH.....	7
SECTION 7 STARTING	7
SECTION 8 HEIGHT ADJUSTMENT.....	8
SECTION 9 USING THE TRIMMER AS AN EDGER.....	8
SECTION 10 REPLACEMENT OF THE CUTTING LINE CARTRIDGE	9
SECTION 11 CUTTING LINE ADVANCE	10
SECTION 12 INSTRUCTION FOR USE	10
SECTION 13 MAINTENANCE.....	11
SECTION 14 TROUBLESHOOTING.....	11
SECTION 15 WARRANTY.....	11
SECTION 16 DISPOSAL.....	12

1. SYMBOLS

Some of the following symbols used on your tool, please study them and learn their meaning, proper interpretation of these symbols will allow you to operate the tool more safely and effectively.

SYMBOLS	NAME	EXPLANATION
	Read the operator's instructions	To reduce the risk of injury. User must read and understand operator's manual before using this product.
	Do not expose to moisture	Don't leave your tool expose to outdoor or moisture.
	Wear eye protection	To reduce the risk of you eye, please wear eye protection!
	Wear hearing protection	To reduce the risk of you ear, please wear hearing protection!
  	Keep bystanders away.	Keep all bystanders away.
	Noise level marking	Your tool noise is not more than 96dB.

 **WARNING:** Never use your trimmer without the guard properly installed. Failure to adhere to this warning can cause serious personal injury.

2. RULES FOR SAFE OPERATION

The purpose of the safety rules is to attract your attention to possible dangers. The safety symbols, and the explanations with them, require your careful attention and understanding. The safety warnings do not by themselves eliminate any danger. The instruction or warnings they give are not substitutes for proper accident prevention measures.

⚠ SAFETY ALERT SYMBOL: Indicates caution or warning may be used in conjunction with other symbols or pictures.

⚠ WARNING: Be familiar with the controls and proper use of the equipment.

⚠ WARNING: Failure to obey a safety warning can result in serious injury to yourself or to others. Always follow the safety precautions to reduce the risk of fire, electric shock and personal injury.

Save this owners' manual and refer to it frequently for continuing safe operation and instructing others who may use this tool.

⚠ WARNING: This machine produces an electromagnetic field during operation. This field may under some circumstances interfere with active or passive medical implants. To reduce the risk of serious or fatal injury, we recommend persons with medical implants to consult their physician and the medical implant manufacturer before operating this machine.

⚠ WARNING: The operation of any tool can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before using this tool, please wear safety goggles or safety glasses with side shields and a full-face shield when needed. We recommend a wide vision safety shield for use over eyeglasses or standard safety glasses with side shield.

1. This tool is not intended for use by persons 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 tool by a person responsible for their safety.
2. Children are not allowed to use the machine.
3. Read the instructions carefully.
4. Be familiar with the controls and proper use of the equipment.
5. Warning: The trimmer line may continue to rotate after the motor is switched off.
6. Wear protective glasses or goggles.
7. Never allow children or people unfamiliar with the instructions to use the machine.
8. Stop using the machine while people especially children, or pets are nearby.
9. Only use the machine in daylight or good artificial light.
10. Before using the machine check for signs of wear or damage and repair as necessary.
11. Never operate the machine with damaged guards or without the guards in place.
12. Keep hands and feet away from the cutting area at all times and especially when switching on the motor.
13. Take care against injury when adjusting the length of the trimmer line. After extending the trimmer line line always return the machine to its normal operating position before

switching it on.

14. Never use metal cutting elements with this trimmer.
15. Never use replacement parts or accessories not provided or recommended by the manufacturer.
16. Disconnect the battery from the machine before checking, cleaning or working on the machine and when it is not in use.
17. Always ensure that ventilation openings are kept clear of debris.
19. Where symbols pictograms are used in the marking on the machine their function shall be explained.
20. Always remove the battery from battery holder when leaving the trimmer unattended.
21. After use, remove the battery from battery holder and check for damage.
22. When not in use, store the machine out of the reach of children.
23. Use only manufacturer's recommended replacement parts and accessories. Where parts are changed frequently (e.g. cutter line) the replacement part number shall be specified.

3. GENERAL IDENTIFICATION

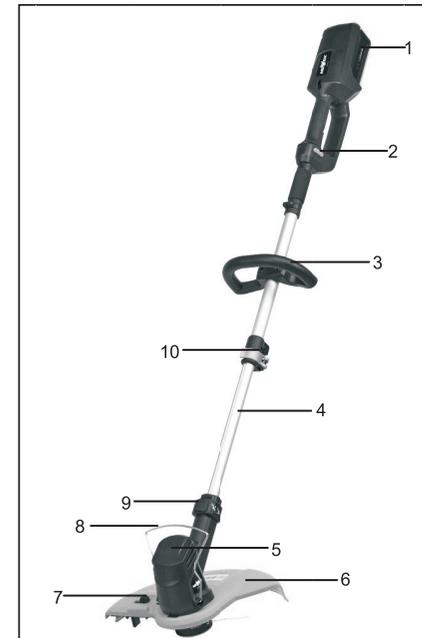


Fig.1

- | | | |
|------------------------------------|-------------------------|--------------------|
| 1. Battery | 2. Safety lock button | 3. Second handle |
| 4. Tube | 5. Motor housing | 6. Safety guard |
| 7. Cutting width adjustment switch | 8. Auxiliary Metal wire | 9. Rotation button |
| 10. Height adjustment button | | |

4. TECHNICAL DATA

Model;	MNA2071
Rated Voltage:	40VDC
No load speed:	7500/min(Cutting Width: 12.5") 8000/min(Cutting Width: 11.0")
Cutting Width:	11" – 12.5"
Line size:	.062 in
Net weight:	3.8kg

Battery	Lithium-ion
Model number	MNAA84
Rated voltage	40Vd.c.
Capacity	144Wh
Number of battery	20pcs
Battery charger	
Model number	MNAA94
Input	100-120VAC,60Hz,2A
Output	40Vd.c,2A
Allowable charging temperature range	0-45°C

5. ASSEMBLY INSTRUCTION

The trimmer is supplied with some components not assembled. To assemble these, proceed as follows:

5.1 SAFETY GUARD ASSEMBLY

Fix the safety guard onto the motor housing with 2 screws (Fig.2)

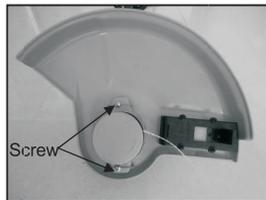


Fig.2

! Warning: Never use the tool unless the guard is properly fitted.

! Warning: Please take precaution when adjusting the length of the trimmer line. After adjusting the length of the line, return the trimmer to its normal operating position before starting the unit.

! Warning: never alter the trimmer by attaching metal cutting blades.

! Warning: never use it without the safety guard properly installed. Failure to adhere to this warning can cause serious personal injury.

5.2 SECOND HANDLE ASSEMBLY

Loosen the two bolts from the curved steel plate

Position the second handle over the tube in the proper location. Aligning with holes in the tube. Align the steel plate on the other side of the tube.

Slide two bolts through the holes in the second handle, through the tube and attach the steel plate. (Fig.3)



Fig.3

5.3. ASSEMBLY SHOULDER STRAP (FIG.4A/4B)

Press the locking button to clip shoulder strap. Place strap over the shoulder of the arm that will be operating the trimmer and adjust position for optimal comfort.



Fig.4A



Fig.4B

Detachment: This belt is equipped with a quick-release mechanism. In the event of an emergency (e.g. sparking, smoking or extreme vibration) press both sides of the release button with one hand to release the belt.

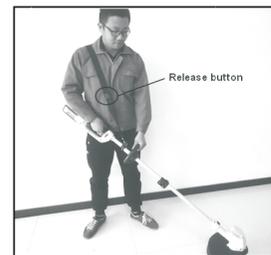


Fig.4C

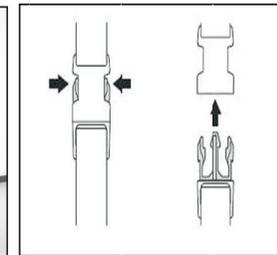


Fig.4D

5.4 ASSEMBLY THE BATTERY

1. Insert the battery pack into battery holder. (Fig.5A)
2. Make sure the latch on bottom of battery pack snaps in place and that battery pack is fully inserted. (Fig.5B)



Fig.5A



Fig.5B

5.5 REMOVE THE BATTERY (Fig.6)

1. Press and hold the battery latch button (1) at the bottom of the battery pack.
2. Remove battery pack from the trimmer.

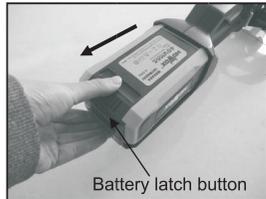


Fig.6

6. ADJUST CUTTING WIDTH (FIG.7)

The unit features three cutting widths. 28cm (11 in), 39 cm (11.8 in) and 32 cm (12.5 in). Align the switch to each width as needed (Fig. 7)

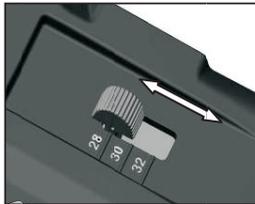


Fig.7

7. STARTING

1. Check the safety guard and remove the blade cover before operation (Fig.8A/Fig.8B)



Fig.8A

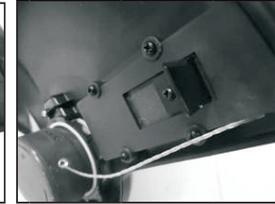


Fig.8B

2. Take a secure hold the trimmer and without letting it touch the grass to be cut, depress the safety lock button (1) and the switch trigger(2).(Fig.9)
- 3.To switch off the trimmer, release the switch trigger.

Warning: Switch on motor only when your hands and feet are away from the cutting parts.

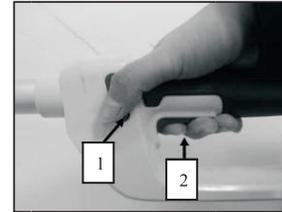


Fig.9

8. HEIGHT ADJUSTMENT (Fig.10)

For a comfortable height, the height can be adjusted. Press the locking clamp to a comfortable height.

Telescopic handle up to Max.63 inches in length and 15 inch telescopic range.

To adjust the height setting, proceed as follows:

1. Release the height adjust locking clamp
2. Gently pull the tube up or down to the desired height.
3. Close the height adjust locking clamp



Fig.10

9. USING THE TRIMMER AS AN EDGER

For edging of driveways and paths, transform the trimmer from the trimmer mode to the edging

mode as follows:

- (1) Remove battery pack from the battery holder;
- (2) Turn the auxiliary metal wire from trimmer mode position to edging mode position(Fig.11A/Fig.11B)
- (3) Hold the tube of the trimmer with one hand and push the rotation button by another hand. (Fig.11C)
- (4) Rotate the tube 180° until it locks in the edging mode. (Fig.11D)
- (5) Reinsert the battery before use.

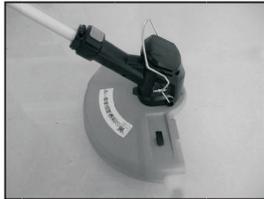


Fig.11A



Fig.11B



Fig.11C

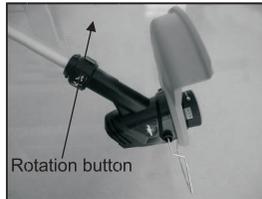


Fig.11D

⚠Warning: To prevent accidental starting which may cause serious personal injury, always remove battery pack from the battery holder before attempting to rotate the shaft.

10. REPLACEMENT OF THE CUTTING LINE CARTRIDGE

Your trimmer is supplied with a fully disposable cutting line cartridge.

To replace an empty cutting line cartridge, press both of the cap release latch on the cap and pull it out of the spool holder (Fig.12A). Remove the spool (Fig.12B). Place the replacement spool into the spool holder and feed the two cutting lines through the eyelets of the spool holder and put the spool into the trimmer head (Fig. 12C). Press the cap onto the spool holder and lock into place by cap release latch (Fig.12D).

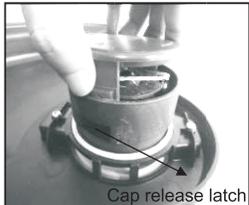


Fig.12A



Fig.12B



Fig.12C



Fig.12D

11. CUTTING LINE ADVANCE

Short or worn trimmer lines cut less efficiently. To advance the trimmer line while in operation, tap the spool button lightly on the ground while the trimmer is running at fully speed. This will automatically feed extra cutting line. The cutting line blade situated under the guard will automatically trim the cutting line to the correct length during operation.

⚠NOTE: Hitting hard and abrasive objects; such as fences, concrete and rocks will cause rapid loss of trimmer line.



Fig.13

12. INSTRUCTION FOR USE

Start the trimmer before getting close to the grass to be cut.

Cut the grass by moving the trimmer from right to left and proceed slowly, keeping trimmer inclined about 30° . High grass should be cut in layers, always beginning from the top.

Do not cut damp or wet grass.

Avoid wearing the line out quickly by knocking against hard objects (stone, walls, fences etc) .Use the edge of the guard in order to keep the trimmer at the right distance.

⚠Warning: Do not use excessive force when tapping the trimmer bump head on the ground to advance the trimming line .If the trimming line will not advance after tapping the bump head on the ground while the trimmer is running, the cutting line may have tangled or have disappeared within the cartridge or the cutting line may have been used up.

NOTE: Excessive Force while tapping the trimmer bump Head on the ground to advance the cutting line will damage the bump head.

⚠Warning: The cutting head continues to rotate after motor is switched off for a few seconds.

13. MAINTENANCE

1. After use, remove battery pack from the battery holder and check for damage.
2. When not in use, store the machine out of the reach of children.
3. Use only manufacturer's recommended replacement parts and accessories. Where parts are consumable (e.g. cutter line) the replacement part number shall be specified.

14. TROUBLESHOOTING

The following chart lists problem symptoms, possible causes and corrective action, if your garden product does not operate properly. If these do not identify and correct the problem, contact your service agent.

 **Warning: Switch off and remove the battery prior to any troubleshooting.**

Fault	Remedial action
Tool runs slowly	<ol style="list-style-type: none">1. Recharge battery2. Check that the spool housing can rotate freely. Carefully clean it if necessary.
Automatic line feed does not work	<ol style="list-style-type: none">1. Keep the tabs depressed and remove the spool cover from the housing.2. Pull the cutting line until it protrudes 4 inches from the housing. If insufficient cutting line is left on the spool, install a new spool of cutting line as instructed above.3. Align the tabs on the spool cover with the cut outs in the housing.4. Push the cover onto the housing until it snaps securely into place.5. If the cutting line protrudes beyond the trimming blade, cut it off so that it just reaches the blade.
Automatic line feed still does not work or the spool is jammed	<ol style="list-style-type: none">1. Carefully clean the spool cover and housing.2. Remove the spool and check if the lever can move freely.3. Remove the spool and unwind the cutting line, then wind it on neatly again as described above. Replace the spool as instructed.

15. WARRANTY

This product is warranted in accordance with legal regulations for a 2 year period effective from the date of purchase by the first user.

This warranty covers all material or production failures, it does not include defects from normal wear & tear parts, such as bearings, brushes, cables, plugs or accessories like drills, drill bits, saw blades etc. ;damage or defects resulting from abuse, accidents or alterations; nor the costs

for transport.

We reserve the right to reject any claim where the purchase cannot be verified or when it is clear that the product was not maintained properly. (clean ventilation slots, carbon brushes serviced regularly...)

Your purchase receipt must be kept as proof for date of purchase.

Your fully assembled tool must be returned to your dealer in an acceptably clean state, in its original blow molded case if applicable to unit, accompanied by your proof of purchase.

16. DISPOSAL

Should your trimmer need replacing after extended use, please consult your local laws and regulations to ensure you dispose of mower in the proper and environmentally appropriate way.