

# USER MANUAL

## REMOTE LAWN MOWERS



**Note:** Please read the user manual carefully before using the machine

Specially appointed person, special machine, special purpose, scheduled maintenance

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# IMPORTANT TIPS

- This manual contains the basic information on how to comply with specifications and how to work safely with the self-propelled lawn mower with remote control.
- If you are using the remote-controlled self-propelled motor mower for the first time, please read the user manual carefully before commissioning, familiarize yourself with it and start operation after safe and reliable training.
- The company does not comply with the instructions of this user manual, makes changes, or in use, maintenance, does not pay attention to the points of attention or does not prevent the damage or obstacles caused by improper use, the company is not responsible for all.
- The handling of the risk prediction of this product must not only refer to the points listed in the user manual and the precautions indicated on the product.
  - Building site
- The daily inspection of the construction site requires a good job, and the dangerous situation on the construction site should be determined in advance according to the actual situation.
- If this product is taken abroad for use, the company will not be responsible for any direct or indirect losses caused by compensation or other problems.

- If you are leasing or redistributing this product, please familiarize yourself with the contents of the user manual and attach this user manual to the system.
- The contents of this guide are subject to change due to product improvements.
- The actual product may differ from the illustrations in the user manual. In addition
  - Parts of the illustrations are omitted for better illustration.
  - Please understand this in advance.
- If you have any questions, please contact your seller or dealer.

## CONDITIONS FOR THE OPERATOR

(1) Please wear appropriate clothing. If your costume fits loosely, don't let yourself roll into the spin zone.

(2) Please wear appropriate protective equipment, such as helmet, protective shoes, goggles.

(3) Operation is prohibited in the case of alcohol consumption, fatigue, children and other unskilled persons.

(4) Persons who disregard the content of the operating instructions and the warning and who are not suitable for operating the device may not operate the device.

(5) Before working, check whether the screws are loose, if so, please tighten them.

(6) Please check whether the protective cover is removed or whether the mounting pin is missing. If it is missing, please use it after upgrading.

(7) When replacing and refilling the fuel and lubricating oil supply, you need to stop the engine and power supply and replace and refill on the flat bottom; Fireworks are strictly prohibited. To avoid electrostatic sparks, please discharge the body's static electricity before touching the gas cap.

(8) Please provide a fire extinguisher nearby for quick response in case of fire.

(9) Make sure the battery is fully charged before use.

## DURING OPERATION AND WORK

(1) When the machine starts, please make sure the environment is safe.

(2) The operation of the remote control requires practice.

Practice operation in a safe place.

(3) Do not use the device in places where you fear danger to third parties.

(4) Be sure to inspect the workplace before work to understand the unevenness of the terrain and detect dangerous objects, obstacles, etc. Also, put away anything you don't need or dodge the waste on the floor, steel wire, etc. to avoid getting caught up in the machine.

(5) Do not allow anyone other than the workers, especially children, to be around. Point out to them that they are weeding and set up a protective device.

✓ Please do not use the device in areas with many houses or people.

✓ Do not use the device at times and places where third parties can interfere.

(6) Do not start the engine in enclosed spaces or in a place with poor

air circulation, otherwise the exhaust fumes may cause poisoning.

(7) Please make sure about the safety of the environment before starting the engine.

(8) The product must not be used on public roads. Operation on public roads is a violation of the Highway Code.

(9) When starting the machine, do not touch the rotation range and the high-temperature range, otherwise it may cause burns and obstruction.

(10) This product is not waterproof, please do not use it in bad weather. When the machine is in operation, the exhaust pipe and the exhaust pipe and muffler get very hot, resulting in flammable materials such as grass and plastic. If these accumulate on the device, remove them immediately.

(12) During mowing, stones and foreign objects may be Meet people, animals, crops, buildings, cars, etc. in your area. Eliminate or increase the mowing height if there is any foreign object.

(13) The maximum usable inclination is about 50 degrees.

(14) If you are working on a sloping terrain, pay attention to please make sure you're working in a position where you can overlook the device. When we work under the machine, we may fall or slip.

(15) Please do not use the device on uneven slopes.

(16) If you turn on a slope, slow down your ride.

## WARNINGS

(1) Leave the device turned off, it is strictly forbidden to operate it without reading the manual, it is strictly forbidden to repair the engine in working condition, do not start it indoors, because the exhaust fumes will lead to exhaust gas poisoning

(2) Do not start the engine indoors, as the exhaust fumes can lead to exhaust gas poisoning.

(3) Do not touch the parts with the hazard sign on the machine when it is in operation or the machine is stopped.

(4) Before mowing, make sure the machine has no defects, loose screws, or other abnormalities.

(5) In the case of hard grass, bamboo leaves, various wood, etc., the device may stop and turn off. In a place with a slope in such a situation, please drive at low speed and pay attention to safety.

(6) Keep your hands or other body parts away from the motor when it is running.

(7) The air filter insert can be easily clogged by weeds, dust, etc. The engine power is insufficient and the fuel consumption increases, please clean in time. If action is not taken in time, the temperature of the machine will rise and a fire can easily occur. This is very dangerous. Please make sure to clean and maintain the machine regularly.

(8) When you check and replace the cutting blade, please turn off the motor and cut off the power supply to the machine.

(9) If the cutting blade has obvious wear or cracks, please replace the new cutting blade immediately, and the corresponding angle of the cutting blade should be replaced at the same time.

(10) If the head of the fastening bolt of the cutting blade is worn out, there may be a serious accident caused by the cutting blade flying.

④ The bolt should be replaced immediately when the head dent is gone.

(12) Never connect the motor and battery terminals together to avoid breakdowns and accidents.

(13) After turning off the engine, do not touch hot parts, such as the engine's muffler, before cooling down.

(14) Operators can fall and cause misoperation.

Do not operate the remote control while walking or standing on a slope.

(15) Wear long-sleeved tops and pants and non-slip boots or goggles at work.

(16) Do not work in a muddy area or standing water, as this can sink the wheels.

④ If there is grass and flammable debris around the engine, such as the exhaust pipe and muffler, open the hood and remove the grass, etc.

(18) To avoid burns, wait for the hot part to cool completely before continuing.

(19) Too much or too little oil is the cause of a malfunction, please make sure you refill and replace the oil within the correct range.

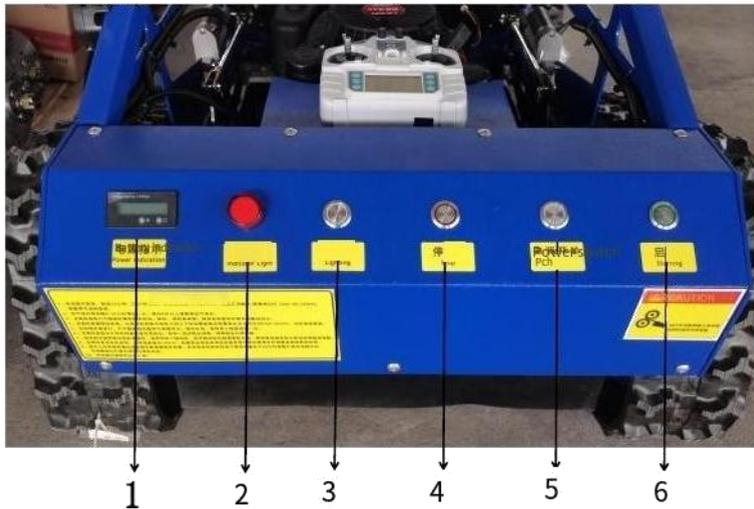
# IDENTIFICATION OF MACHINE PARTS



- |                                 |                          |
|---------------------------------|--------------------------|
| 1. Accelerator Pedal Adjustment | 5. Chassis lifting motor |
| 2. Engine                       | 6. Chassis               |
| 3. Generator                    | 7. Low beam headlights   |
| 4. Travel motor                 | 8. Charging port         |

This machine adopts hybrid power, equipped with a generator to run two batteries inside the machine, fuel is: gasoline, please pay attention to the label attached to the machine when you

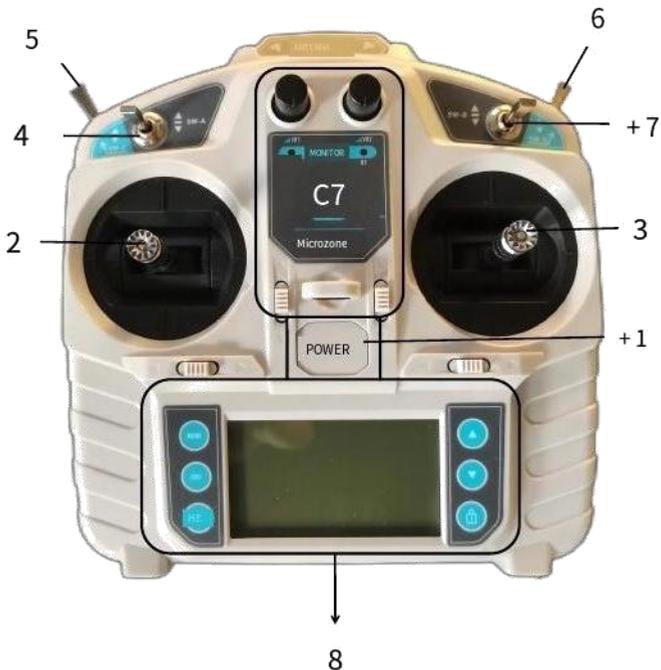
# CONTROL PANEL IDENTIFICATION



- 1- Power indicator
- 2- Scoreboard
- 3- Switch for the guide light
- 4- Engine Flame Burning
- 5- Main power switch
- 6- Electric start button

Start-up process: press the main switch, observe whether the power indicator lights up, then press the start button or manually pull the start (start to open the flap and close the flap after starting)

# RECOGNITION OF REMOTE CONTROL FUNCTIONS



1- Power switch  
speed

2- Forward and backward

3- Steering right/left

4- Lift the chassis

5- High/low

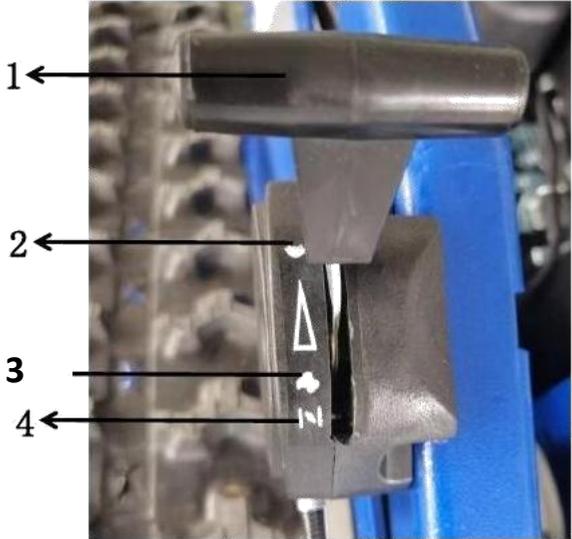
6- Speed controller

7- Alternating channel

8- Fine-tune button

Note: The fine-tuning has already been set at the factory and does not need to be changed.

# MARKING OF THE ACCELERATOR PEDAL CONTROL

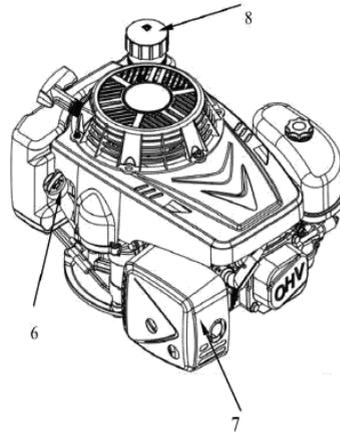
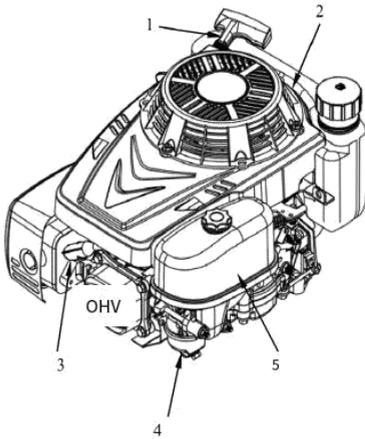


1- Accelerator Drawbar  
3- Max. accelerator pedal

2- Min. accelerator pedal  
4- Start damper

Note: When starting, pull the throttle pull rod back to the bottom stop to open the ignition of the engine, then push the throttle pull rod forward to close the flap.

# IDENTIFICATION OF THE ENGINE



- 1- Pull rope handle
- 2- Oil
- 3- Igniter, Spark Plug
- 4- Carburettor

- 5- Air filter
- 6- Oil level indicator component
- 7- Silencer
- 8- Fuel tank

Engine fuel (use clean, unleaded gasoline 92.)

Engine (do not fill up too much oil when refueling. Too much oil enters the air filter, causing black smoke from the exhaust, difficulty starting, spark plug carbon deposits and other negative phenomena).

# MACHINE MAINTENANCE

## 1- MAINTENANCE PRECAUTIONS

1. Oil change for the first time, between 15 hours - 20 hours, after each interval of 70-100 hours, according to the working conditions; Please use SAE 10W-30/15W40,

Use depending on the season.

2. Clean the air filter every 8-10 hours once, clean more than 6 times, please replace the air filter.

3. Regularly check whether the cutter cutting head fixing screws loose, lack of teeth, please check firmly, lack of teeth leads to dynamic balance imbalance vibration too large.

4. Regularly check the track tightness, from the drive wheel and the front direction of the wheel up and down between the highest arc point to the lowest concave point between 30mm-50mm, the standard tightness.

5. The control box will be cleaned regularly, open the panel with compressed air to clean the floating dust, do not wash, keep cleaning at least once a week.

6. Regularly check whether the screws of the cutting table lifting mechanism are loose, and keep a certain distance to ensure the smooth lifting of the cutting table.

7. Twice a year to maintain the drive motor gearbox, maintenance remove the drive wheel, open the gearbox housing inside the drive wheel, use diesel oil to clean and apply lithium grease again.

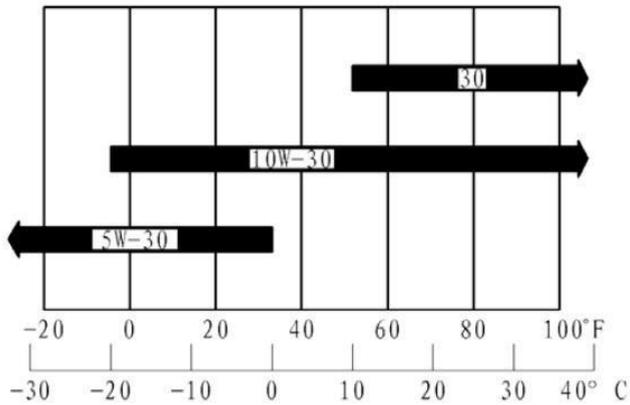
8. Regularly check the generator belt, the belt tension is 10mm, when the machine appears, low power generation or the belt slips sound, please adjust the tension or replace the belt in time. 9, Every day after finishing the work through the voltage indicator to check the remaining power, in the state of shutting down the motor, when the remaining power is less than 90% you need to plug in the charger to charge,

The charger indicator light will turn green to indicate that the device is fully charged.

## 2- ENGINE OIL RECOMMENDATION

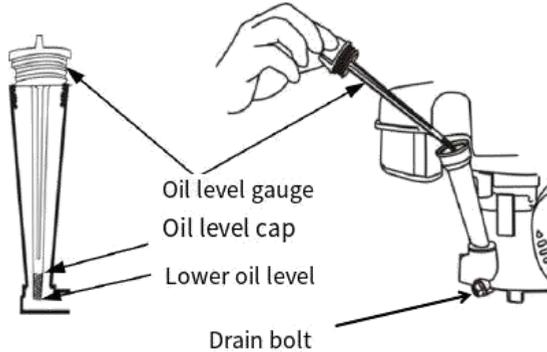
The engine oil is one of the main reasons that affect the performance and service life of the engine. For 4-stroke engines, SAE10W-30 engine oil is recommended. Depending on the local conditions. temperature, you can also use other types of oil with the same quality, see figure:

SAE Viscosity Class



Ambient temperature

### 3-OIL LEVEL CONTROL



### 4- SPARK PLUG MAINTENANCE

Recommended spark plug: F7RTC or equivalent. Using a spark plug with an incorrect calorific range can damage the engine. Remove the spark plug cap and clean the area around the spark plug.

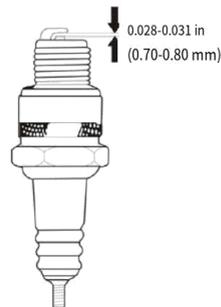
b) Remove the spark plug with the spark plug sleeve.

Check the spark plug and replace it if the electrode is damaged and the insulator has cracks or defects.

Measure the distance between the spark plug. If the distance is not correct, carefully pull the electrode out of the head of the spark plug.

The correct spark plug spacing is 0.70mm - 0.80mm e) Screw in the spark plug by hand and tighten it with the spark plug sleeve, if the spark plug is new, screw an extra 1/2 turn after pressing the gasket, if the spark plug is old, screw an additional 1/8-1/4 turn after pressing the gasket f) Reinstall the spark plug connector, if the engine overheats or damages the spark plug is screwed too tightly, the thread of the cylinder head is damaged.

1. The mower runs slower or is slowed down by the mowers.



a) Check whether the switch for high and low travel speed (Figure 3) is set to low or high speed. When it is set to low speed, turn the switch up,

b) If it is set to high speed, you will have to open the control panel and check the fuse box to see if there is a red light there. If a red light is on, you will need to replace the corresponding fuse.

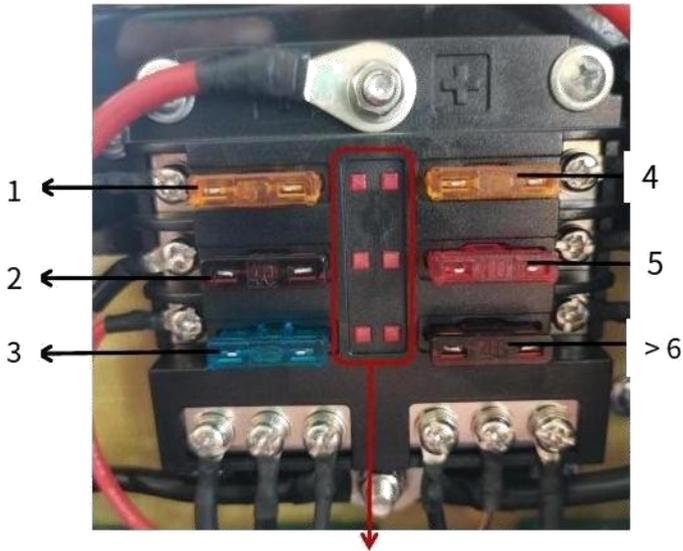
c) Check that the brush two-way controller is running again. If the fan is not running, you will need to replace the brush two-way controller. When the fan is running, you need to check if the output voltage of the controller with brush connection is DC 12V when it is in operation. If there is no DC12V, you will need to replace the brush two-way regulator.

d) Check the tightness of the two tracks. If there's a crawler to compare,

you'll need to adjust the bottom bolt bar.



# INSURANCE REPLACEMENT

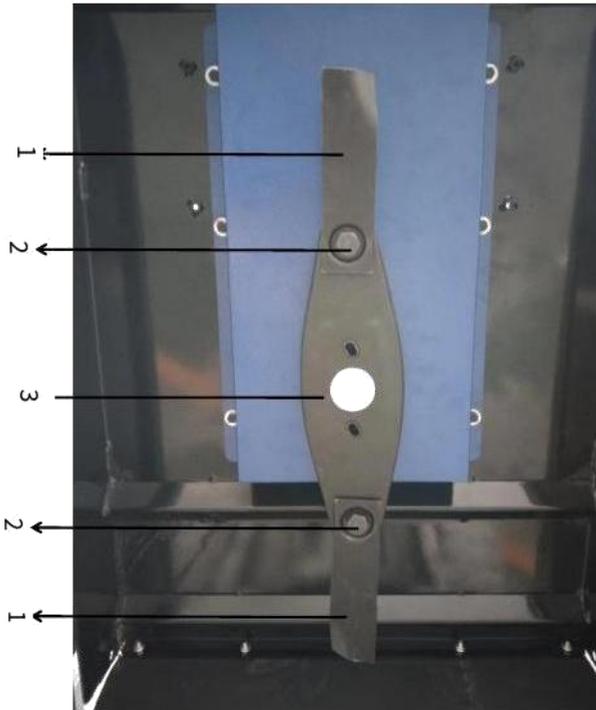


FAIL-SAFE INDICATOR LIGHT

1. 5A lighting insurance
2. Left Drive Motor 40A - Insurance
3. Construction Site Elevator 15A Insurance
4. Air Cooling Fan 5A Insurance
5. Generator 10A Insurance
6. 40A right hand drive motor insurance

Open the cover plate of the control cabinet at the end of the machine and check the safety base to see if the error indicator of the safety film is lit (the indicator is located in the insurance area). Replace the security film according to the actual fault and replace it according to the amperage.

# REPLACEMENT OF THE BLADE



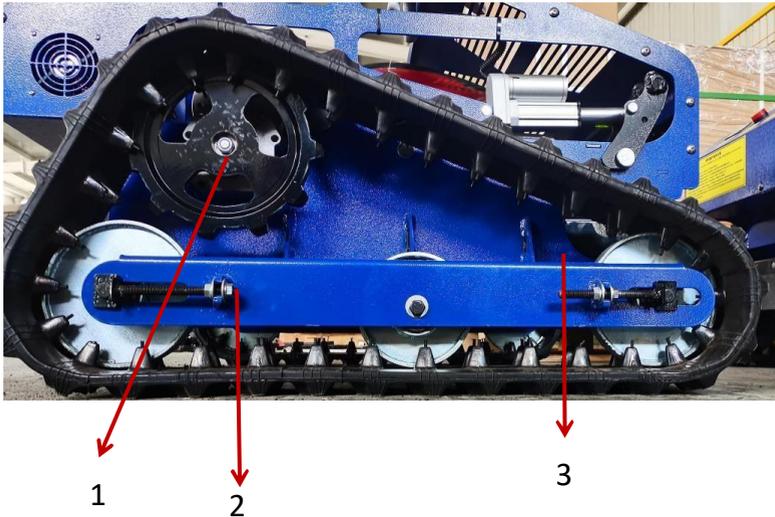
1- Mower blade

2- Blade Holder Bolt

3- Mower blade holder

The image above shows the bottom of the machine. To replace the knife, remove the bolt of the knife and secure the bolt with a new knife.

# CHANGING AND ADJUSTING THE TRACK



1- Retaining screw for the drive wheel

2- Adjustment screw for the rear guide wheel

3- Adjustment screw for the front guide wheel

Reinsert the chain: Please remove the drive wheel after the screw of the front and rear guide wheels.

Adjusting the track: Each track has a total of 4 adjustment screws for the guide wheel, the other two are located on the other side of the guide wheel. When adjusting, the guide wheel adjustment screws must be tightened on both sides.

# TROUBLESHOOTING THE LAWNMOWER

## 1. Engine won't start

Check if unleaded gasoline No. 92 needs to be refilled, if the flame protection switch is on, and if the spark plug is damaged (the throttle valve must be pulled to start).

## 2. The machine does not respond to the remote control

Check if the battery of the remote control needs to be replaced (if the power is low, the alarm will still be interrupted), if the remote control is connected to the receiver (the connection is successful and a short tone will sound), check if the safety chip and the electrical setting are blown.

## 3. Abnormal noise of the machine

Check if the adjustment screws of the knife are loose and the knife needs to be replaced.

## TIPS

Please contact your dealer or seller if you are unable to resolve the issue.