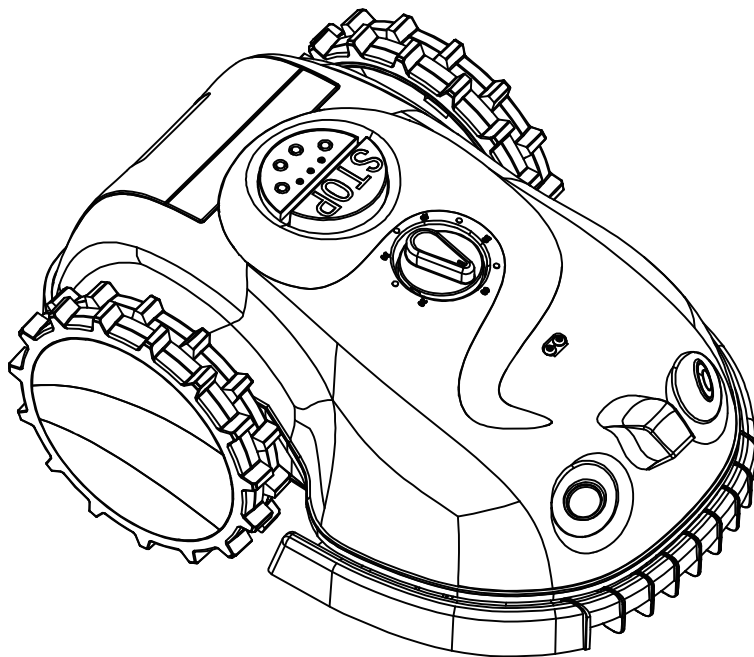




# Buddy

## ROBOTIC LAWNMOWER

Original Instruction



Model No: Buddy-V200

 **WARNING**

Read the User Manual carefully before use.  
Make sure you understand all the instructions and safety warnings.

# Contents

Safety Warnings.....	01
Important.....	01
Symbols and decals .....	03
What's in the box? .....	04
Exploded View .....	05
Planning and Preparation.....	07
<b>Operation.....</b>	<b>08</b>
Instruction of control panel.....	09
Error message.....	10
Turn off the mower.....	11
Carry the Mower.....	11
<b>Maintenance .....</b>	<b>12</b>
Battery pack and charger.....	13
Specifications .....	14
Warranty.....	15
CE Declaration of Conformity.....	15

## About This Product

Thank you for choosing the Buddy-V200 Robotic lawnmower.

The product is lightweight and works on the lawn without damaging the lawn.

Collection of grass is not necessary because the fine grass clippings can serve as a natural fertilizer.

**WARNING! Any other improper use can cause danger even personal injury.**

## Safety Warnings

### Important

**READ CAREFULLY BEFORE USE. KEEP FOR FUTURE REFERENCE.**

- Be sure to install and operate the mower according to the instructions.
- The mower has many built-in safety sensors, but safety risks still exist. Inform your family and-neighbours about the risks for accidents or hazards.
- When using the mower on a public lawn, or when your lawn is open to your neighbour or street, protect or fence the lawn, or put up a warning sign around the working area that says:

**WARNING! Automatic lawnmower! Keep away from the machine! Supervise children!**

- DO NOT repair the mower by yourself. Repair may interfere with the mower operations, resulting in serious injury and damage.
- Please contact a qualified specialist and use the approved parts and accessories.

### WARNING

Never allow children, persons with reduced physical, sensory, or mental capabilities or lack of experience and knowledge or people unfamiliar with these instructions to use the machine. Local regulations may restrict the age of the operator.

### Before Mowing:

- Before each mowing session, check that all parts of the mower can function normally.
- For the best mowing results, it is recommended to mow in dry weather. Mowing in the rain can make the grass stick on the product and the mower may slip. DO NOT mow in bad weather, such as heavy rain, thunderstorm, or snow.
- Periodically inspect the area where the machine is to be used and remove all stones, sticks, wires, bones, and other foreign objects. The Limited Warranty does not cover damages caused by objects left on the lawn.
- To avoid possible damage, keep the operating mower at least 1 m (3 feet) away from sprinkler heads. The mower and the sprinkler should NOT work simultaneously. Time the mower so that it works at a different time from the sprinkler.
- NEVER allow children to touch the power supply unit, blades, the battery compartment, or any parts with gaps such as the wheels.
- Keep away from the rotating blades! DO NOT put hands or feet under or near the rotating blades.
- Watch out for throwing objects! Keep a safe distance from the mower when operating.
- DO NOT leave the machine to operate unattended if you know that there are pets, children or people in the vicinity.
- DO NOT overreach. Always keep your balance and be sure of the footing on slopes. Walk, never run while operating the machine or its peripherals.
- Please read the instructions on when, where, and how to inspect the machine, if permitted, how to make repairs.
- The device must not be used at altitudes higher than 2000 m.

**WARNING!** If the mower makes an abnormal sound, abnormally vibrates, or signals an alarm, press the STOP button immediately.

**WARNING!** DO NOT touch moving dangerous parts before the mower is powered off.

**WARNING!** Do not touch moving dangerous parts before they have come to a complete standstill.

**Warning!** Ensure that you always wear sturdy shoes and long trousers when operating the machine.

**Warning !**

Warning turn off the power to the machine before lifting it or tested, cleaning or carrying out repair work. If the machine vibrates violently cut the power and seek professional inspection.

## Symbols and decals

Please study the symbols on the product and labels carefully and understand their meaning.



⚠ WARNING-Read instruction manual before operating the machine.



⚠ WARNING-Do not touch rotating blade.



⚠ WARNING-Keep a safe distance from the machine when operating.



⚠ WARNING-Do not ride on the machine.



⚠ Remove (or operate) the disabling device before working on or lifting the machine\*  
\*Make sure the mower is locked by the PIN code before lifting or operating



⚠ WARNING-It is not permitted to dispose of this product as normal household waste. Ensure that the product is recycled in accordance with local legal requirements.



This product conforms to the applicable EC Directives



This product conforms to the regulations of Restriction of Hazardous Substances.  
RoHS



Before charging, read the instructions.



Class II appliance



SMPS incorporating a short-circuit-proof safety isolating transformer (inherently or non-inherently)



SMPS (Switch mode power supply unit)



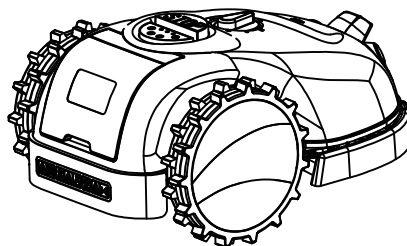
Direct current



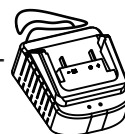
Alternating current

## What's in the box?

1. Mower \* 1pc-----



2. Battery charger \* 1pc-----



3. Battery\*1pc-----



4. Cutting Blades \* 3pcs-----



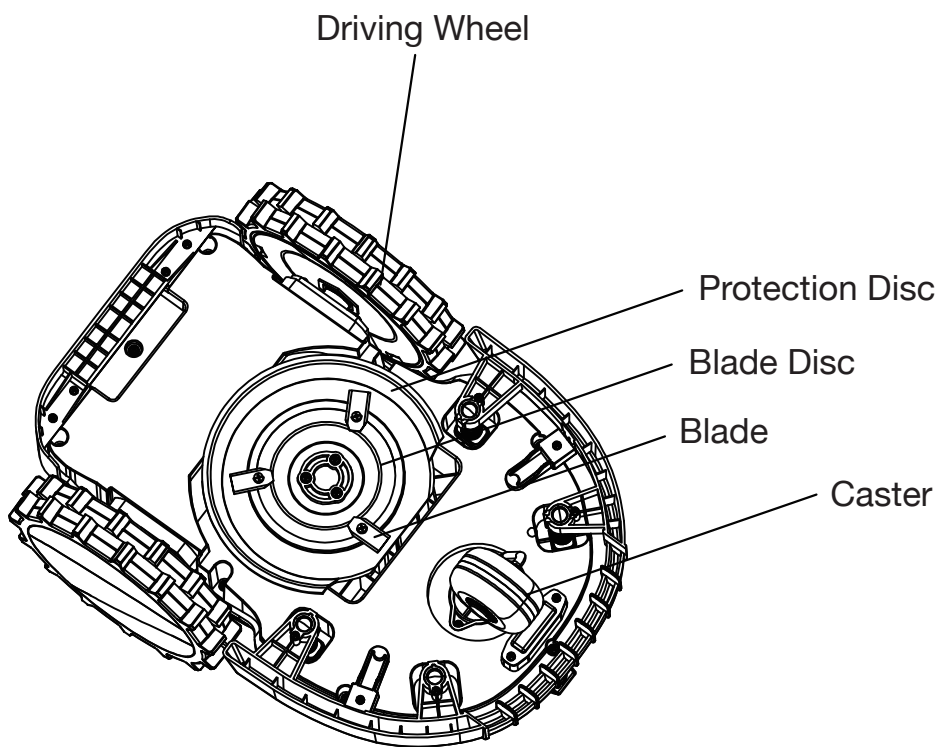
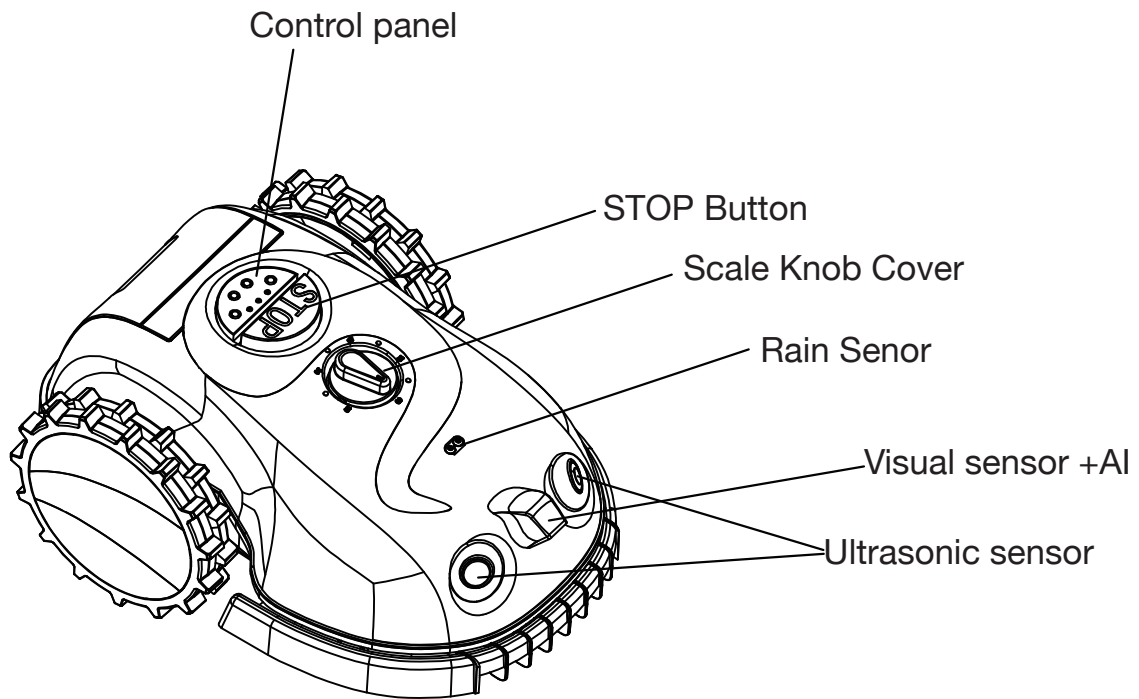
5. M4 screws of cutting blade \* 3pcs-----

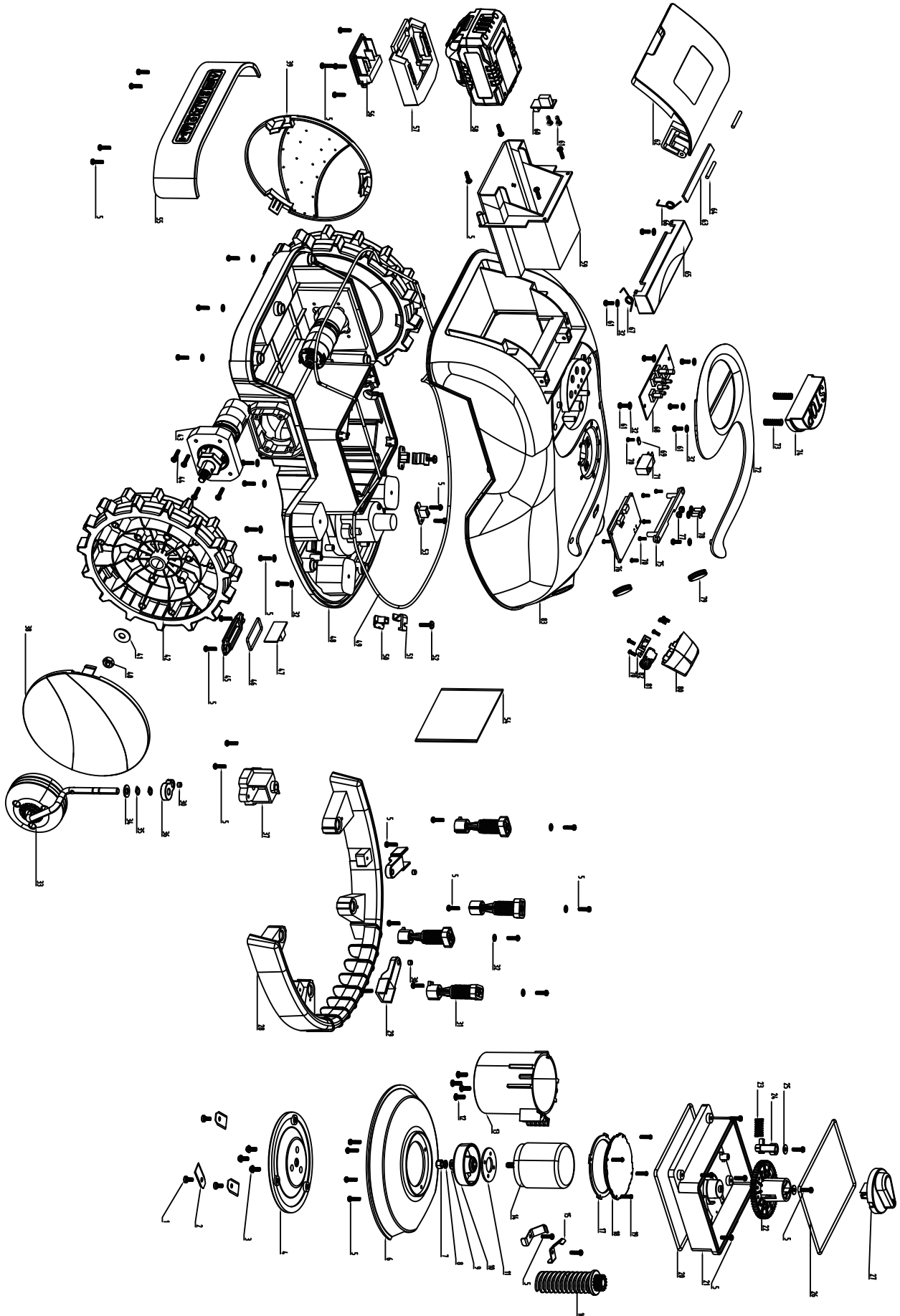


6. Instruction \* 1pc-----



## Exploded View

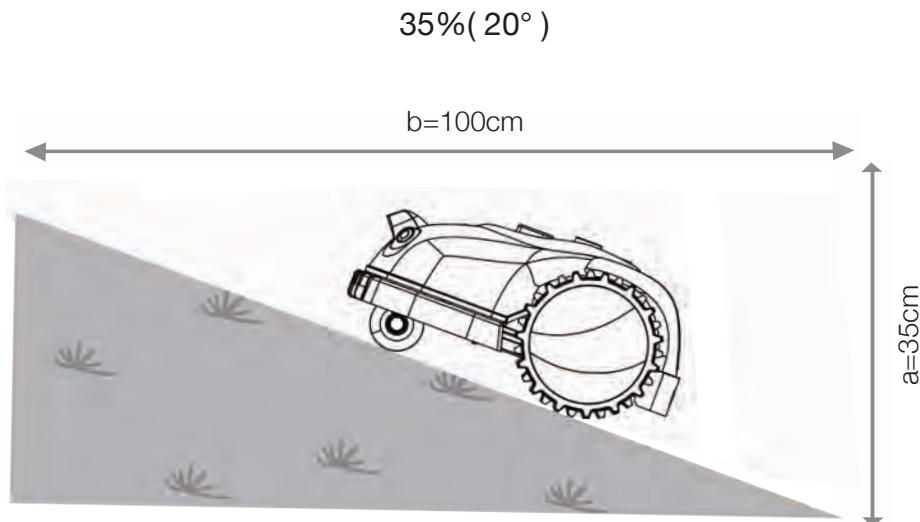






## Planning and Preparation

Ensure that the following conditions are met in the working area of the mower:



(Fig.3-1)

- The height of grass is no more than 60mm. NOTE: If the original grass is higher than 60mm, please use a manual mower to cut your lawn in advance.
- No stones, loose pieces of wood, wires, live cables, and other foreign objects.
- Level and flat working area, no ditch or trench, slope less than 35%(20°)

## Operation

### Adjust the cutting height

Before mowing for the first time, please set the mowing height to 60mm, and then adjust it to the

desired height when the whole lawn is relatively flat.

- Clockwise rotation to increase the cutting height.
- Counterclockwise to decrease the cutting height (Fig 4-1)
- The cutting height of the mower can be adjusted from MIN (20 mm) to MAX (60 mm)

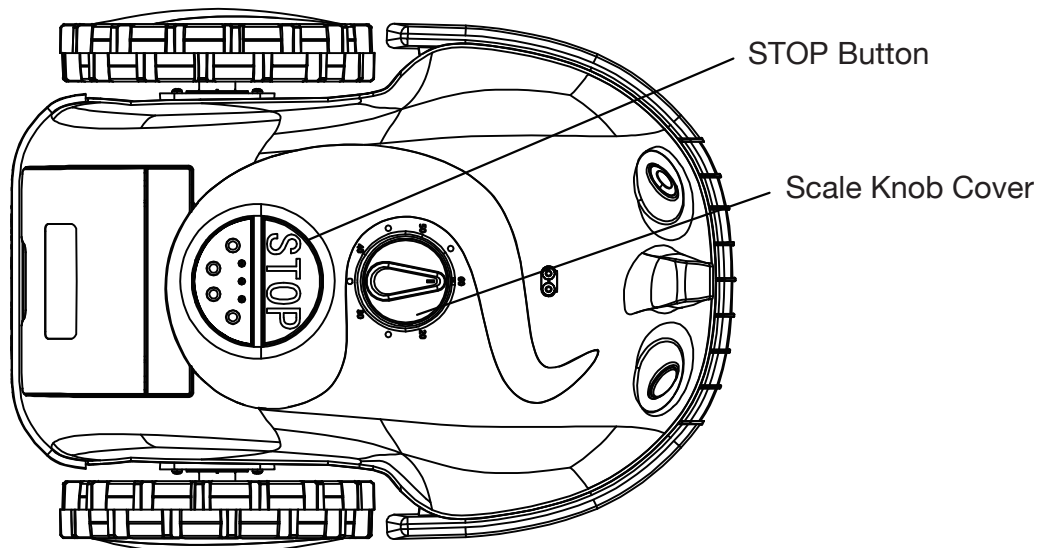





Fig 4-1


## Instruction of control panel





—Long press the power button  to start. Note: When starting, do not shake the mower to avoid start-up failure. If it fails (all indicators are on solid), please start again.


—Enter the loading interface  The three indicators flash one by one , and the machine is in the initialization state for about 15 seconds.

—When the indicators stop flashing, the mower is in standby mode. Press the start button  then press OK button  The mower will then ring 3 times and begin cutting the grass.

—Your power indicator  will have a green light if your Buddy is charged over 20%, when it drops below 20% the power indicator will turn red. The mower will stop working when the battery life gets too low.

—The alarm indicator  will stay a solid red colour if your buddy has an error, press the ok or stop button to reset. If the alarm indicator turns to flashing red your Buddy will need to be powered off and then on again.

—The ultrasonic indicator light  will stay green if your sensors are operating correctly. If you turn your sensors off there will be no light on. If there is an issue with the sensors the ultrasonic light will flash, to determine the error code count the amount of times it flashes.

—Your ultrasonic button  can be used to control your sensors switching them on or off.

## Error message

Error codes (1-5) cannot be cleared and must be restarted. Error codes (6-9) can be cleared by pressing the button

Errot code	Error type
1	Gyroscope initialization error
2	Initialization (Hoare) failed
3	Mower motor communication error
4	High temperature warning
5	Camera communication error
6	Tilt alarm
7	Ground alarm
8	Boundary out alarm
9	Mower trapped alarm

## Turn off the mower

Press “STOP” to stop the mower, long press power button to stop, turn off the main power if needed.

## Carry the Mower

Under the mower, a lifting handle is reserved for easy one-handed handling of the mower (Fig.5-1).

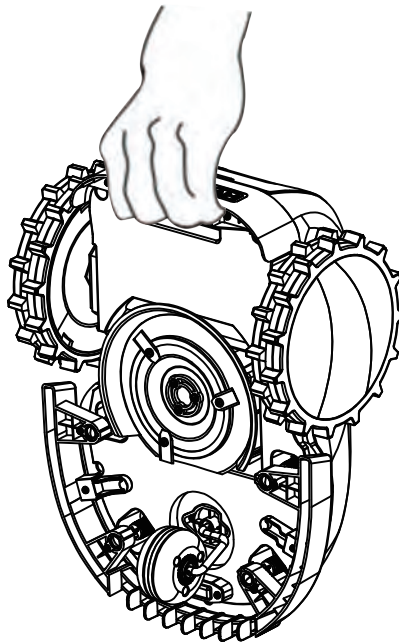


Fig.5-1

## Maintenance

**WARNING!** Always switch the mower off before cleaning and maintaining the mower.  
**WARNING!** Always wear protective, heavy gloves when changing the blades and cleaning the underside of the mower.

- Regularly check screws and nuts for proper tightness. Maintain or replace defective parts to ensure safety.
- Regular inspect the blades to ensure free rotation.

**NOTE:** When turning the mower over, place it on the lawn or a softer surface to avoid wearing and scratching the cover.

- Use a soft brush or towel to clean the front part (Fig.5-1-1, Fig.5-1-2).
- Use a hard brush to clean the grass clippings and debris from the blades, wheels, and other parts on bottom.
- Regularly check the rain sensors and wheels for mud or grass clippings and clean them with a brush

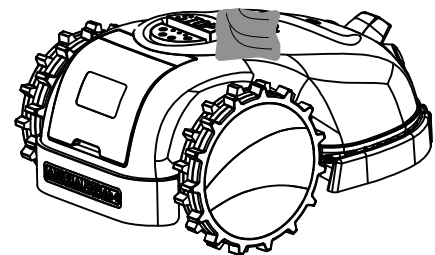


Fig.5-1-1

- **NOTE:** Regularly clean the grass clippings at the bottom of the mower, to avoid affecting the mower efficiency.

## Replace the blades

**WARNING!** Turn off the main power switch and put on protective gloves first.

**WARNING!** Only use the original and designated blades as approved.

- Replace all three blades and their screws at the same time when replacing (Fig. 5-2)
- Use a screwdriver to loosen or fasten the screws.
- Check if the new blades can pivot freely

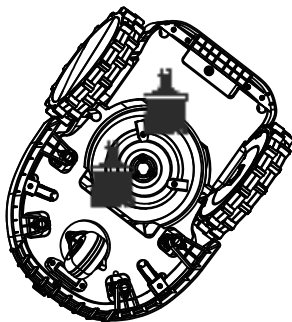


Fig.5-1-2

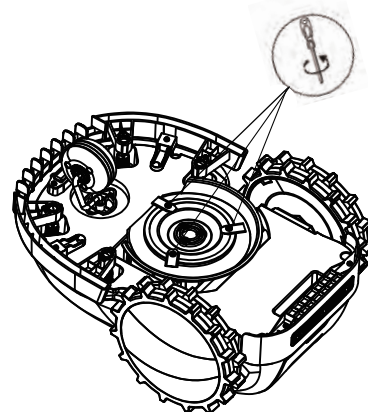


Fig.5-2

## Battery pack and charger

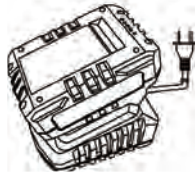


Fig.6-1

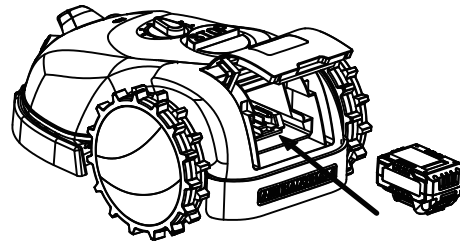


Fig.6-2

### a. Charge your Buddy fully before its first use.

Before the first charging should be fully charge. A fully discharged battery pack with a temperature between 0°C and 40°C will charge in about 2 hours.

- Charge the battery pack only with the correct charger(Fig.6-1).
- Connect the charger to a power supply.
- Insert the battery pack into the charger, making sure the battery pack is fully seated.
- The red light is on while the battery pack is charging. Once it is fully charged the light will turn green (approx 2 hours).



Unplug the charger, and then remove the battery pack.

**WARNING:** Never use a damaged battery pack.



**WARNING:** Always disconnect the charger from the power source when it is not in use.

**NOTE:** The battery pack and charger will become slightly warm to the touch while charging. This is normal and does not indicate a problem.

**NOTE:** If you wish to charge two battery packs in succession, unplug the charger and allow at least 15 minutes between charges.

### **WARNING:**

--The charger supplied is matched to the battery installed in the mower (Fig.6-2) Do not use another charger.

--During the charging procedure, the battery warms up, this is normal.

### b. Insertion and removal of rechargeable battery

Depress the battery-release button located on the battery pack to release battery pack.

## Specifications

<b>Model No.</b>	<b>TLM-V200</b>
<b>Feature</b>	
Cutting area	200-300m <sup>2</sup>
Appearance & Color	
Function Settings	Keyboard
Cutting Height Settings	Manually
Charging Type	Battery charger
Anti-collision sensor	Bumper sensor +Visual sensor+AI
Safeguard	Life Stop / Tilt Stop / Emergency Stop
Battery Settings	Plugable Battery
<b>Functions</b>	
Boundary Collision	YES
Rain Sensor	YES
Cutting Height	20-60mm
Cutting Diameter	160mm
Hill Capability	Max slope 20 degree
Motor Type	2*Brushed Walking Motors + 1* Brushless Cutting Motor
Gyroscope	YES
Spiral Cut mode	YES
Emergency STOP Switch	YES
Cuts to Edge	YES
<b>Battery</b>	
Type of Battery	Lithium
Rated Voltage	Max 20V
Battery Capacity	4000mAh
Charging Time	140mins
Average working time	80mins
<b>Power Adapter</b>	
Input	100-240V ~, 50-60Hz,65w
Output	21Vd.c. 2.3A
<b>Other Parameters</b>	
Waterproofed	IPX4
Certificate	GS&CE&Rohs
Measurement	58.6x45.6x31.6cm
Weight	6.5 Kg



## Warranty

This Warranty covers only defects of any material or quality of the Product and components when the Product and components thereof are being used under normal and ordinary conditions.

The Limited Warranty Period of one year commences on the date of the original purchase of the Product.

This Limited Warranty does not cover and excludes damage to your product, or any component thereof caused by:

- The normal deterioration of wear and tear parts
- Improper battery storage or operation of the Product
- Use of any non-original battery
- Service, repair, and maintenance by unauthorized providers
- Other

## CE Declaration of Conformity