

# Charging

## Quick User Guide

\*Please read the user guide carefully before using our product.



*“A Robot On Every Lawn”*

**Product: Charging**  
**Model: T100**

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BestMow We001

## Read before use

To avoid or reduce the risk of injury, users must read and understand this user manual before using this product.

Please keep this user manual properly.

## Safety Tips

This symbol indicates important safety instructions. Failure to follow these instructions may endanger the personal safety or property safety of operators and other personnel. Before attempting to operate the lawnmower, please read and understand all instructions in this manual.

## Preface

Thank you for using the product of BESTMOW. This manual provides you with instructions on the functional characteristics, installation, debugging, deployment, and the usage of Robotic Lawn mower, as well as matters needing attention during use. Before using this product, please read this manual carefully and use it according to the instructions. If you encounter any problems during the use of this product, please contact customer service or after-sales services personnel, and we will serve you wholeheartedly.

## 1. Safety instructions

Please read this safety statement and the safety advice and precautions in the text carefully before using this product. You must comply with the safety information in this manual and all applicable local regulations.

The safety recommendations and precautions in this manual introduce important information that must be followed to prevent personal and property damage when using and working around the product, aiming to help users:

- Detect and prevent dangerous situations
- Safe and correct use of this product and related equipment
- View the information on the safety label posted on this product
- Work in a safe working environment

### 1.1 Notes

## Operator Instructions

- Operators must be trained to use this product. Any losses or injuries caused by improper use shall be borne by the user.
- Please clean and maintain the robot when it is turned off or powered off.
- Prohibit unauthorized disassembly of robots.

## Who can't use this product

- Never allow children, people 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.
- Not to allow children to be in the vicinity or play with the machine when it is operating.

## **Where this product can't use**

- Only use this product in the ways described in this manual.
- Never leave anything that can be climbed over by product in the working area which may cause damage to the product or injury to people.
- Keep any supply and extension cords away from the working area to avoid damage to the cords which can lead to contact with live parts.
- When used in public areas, warning signs shall be placed around the working area of the machine. They shall show the substance of the following text: " Warning! Automatic lawnmower! Keep away from the machine! Supervise children!".

## **When this product can't use**

- Avoid using the machine and its peripherals in bad weather conditions, especially when there is a risk of lightning.
- Timely check the working area to remove any foreign objects that may damage the product or be damaged by the product.
- Timely inspect the product to make sure it's in good condition. Never operate a machine with a defective guard, a worn blade or a damaged cord, or any lost parts. And do not connect a damaged cord to the supply or touch a damaged cord before it is disconnected from the supply.
- Only use peripherals that come with the original product, such as battery, charger. Any unofficial peripherals may lead to unexpected results.

## **What should be done to this product**

- Recommend connecting the peripherals only to a supply circuit protected by a residual current device (RCD) with a tripping current of not more than 30 mA.
- Turn off the product and remove the plug from the mains before the following operations.
- A. Lifting up the product or carrying it.
- B. Clearing a blockage on the machine.
- C. Checking, cleaning or working on the charging station.
- D. If the machine starts to vibrate abnormally, check for damage before restarting.
- In the event of leakage of electrolyte flush with water and seek medical help if contact with skin or eye.

## **What can't be done to this product**

- Keep away from the product when it's working.
- Don't overreach and maintain balance at all times, always be sure of footing on slopes, walk, and never

run while operating the machine or its peripherals.

- Don't put anything on the top of the product or its charging station.
- Don't do any modifications to the product which may lead to unexpected results.
- Don't dismantle any part that is not described in the manual.
- For the purposes of recharging the battery, only use the detachable supply unit provided with this appliance..

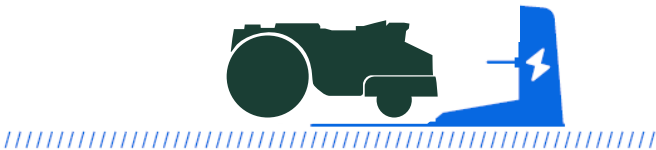
## 2. Product introduction

### 2.1 Introduction

This charging pile is specially designed to be used with BESTMOW. It is a crucial supporting device to ensure the continuous and efficient operation of the lawn mower, providing convenient and stable power support for the maintenance of modern household lawns.

### 2.2 Specifications

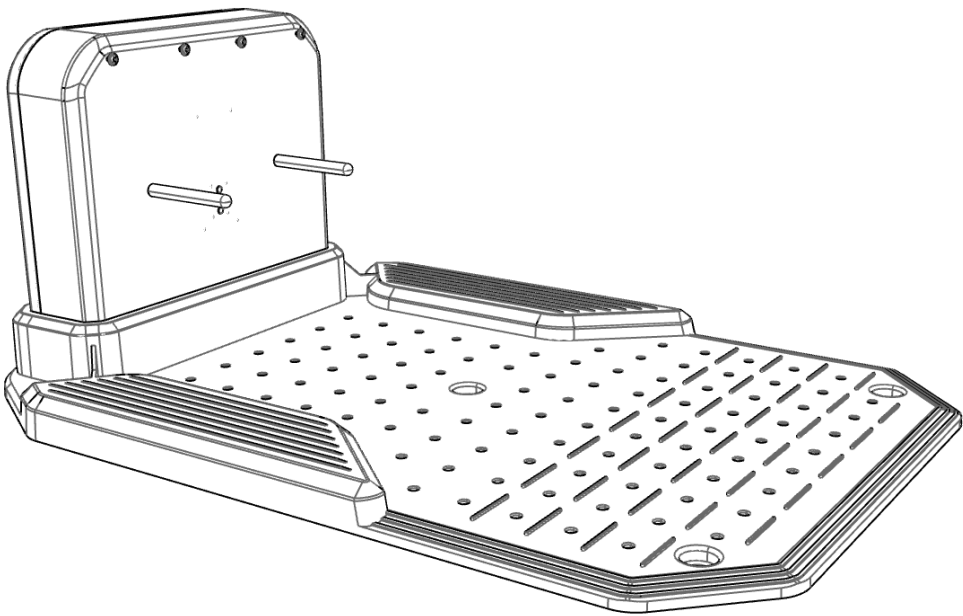
Specs		
Capacity	Compatibility	BESTMOW T100
	Net weight	5kg
	Dimension	601mm×476mm×368mm (27.6in×18.7in×14.5in)
	Waterproof level	IP66
Charging	Input voltage	100-240V/AC
	Output voltage	25.2V/DC
	Output Current	2A
	Typical Charging time	210min
	Operating temperature	-20℃ ~60℃
	Communication mode	vision



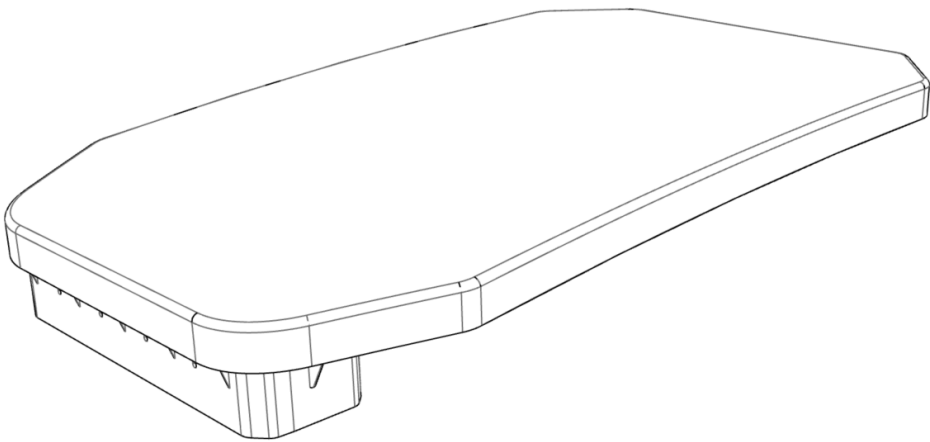
2.3 My charging

► Unboxing

Please check the items in the package shown as below



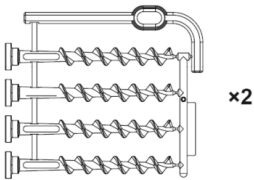
Charging station



Charging canopy



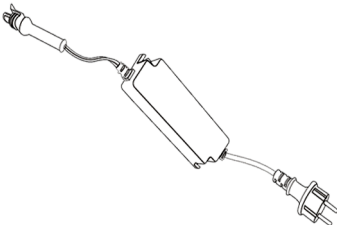
user manual



Screw and wrench set



Extension cord



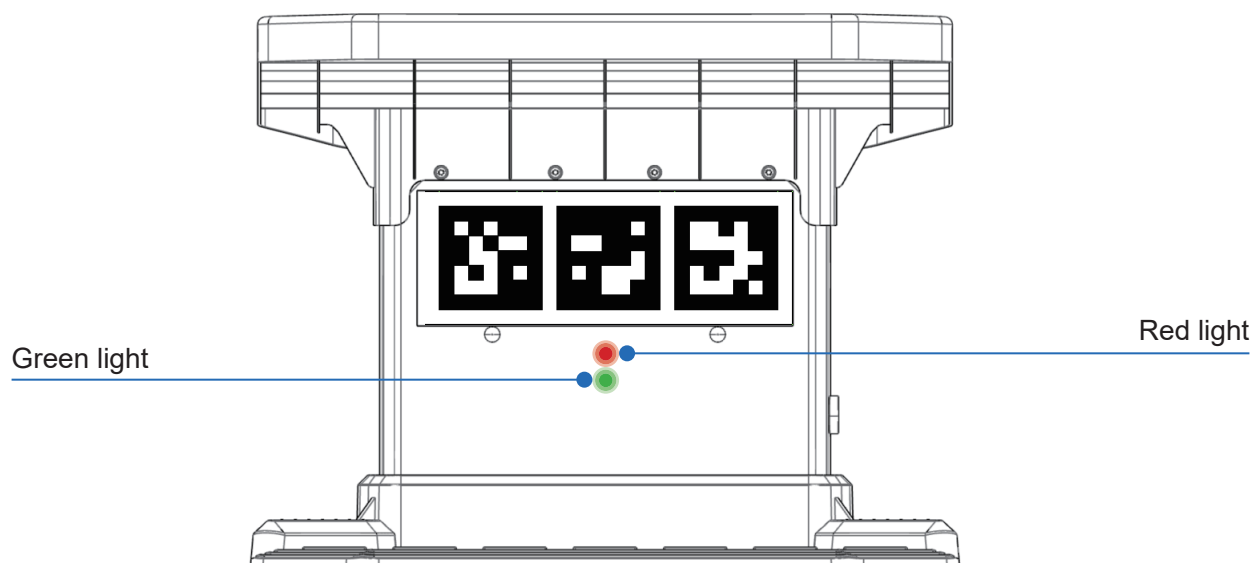
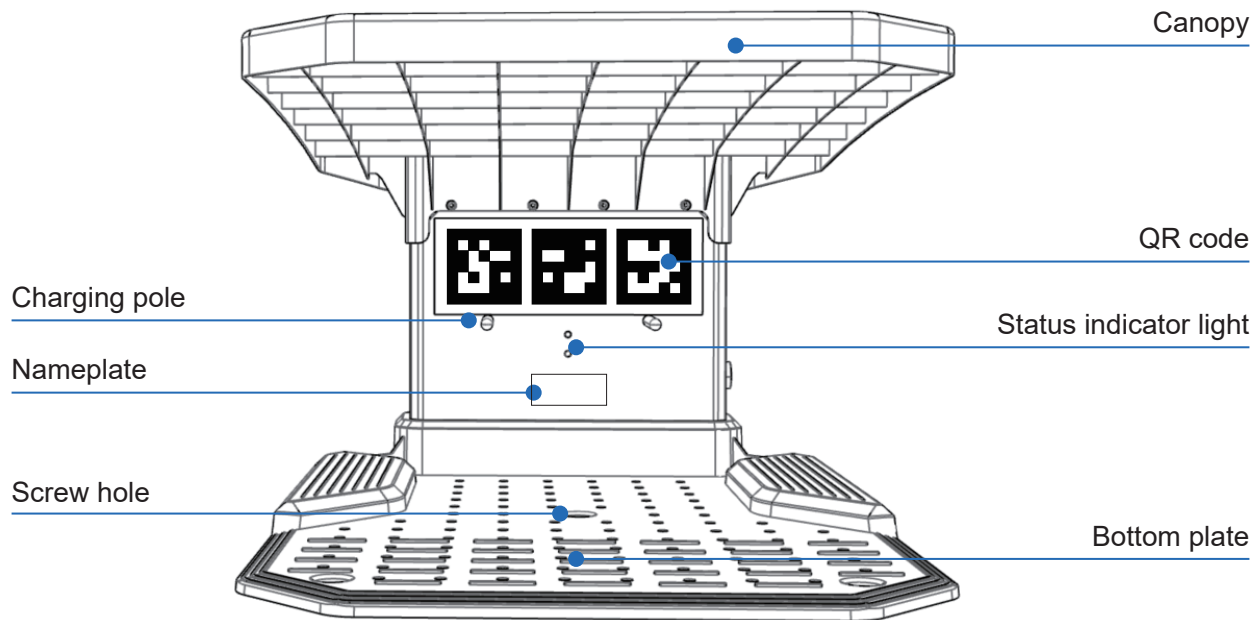
Power supply



Velcro    Blades  
Bolts    Pegs

Other parts

## Front view



## Red light

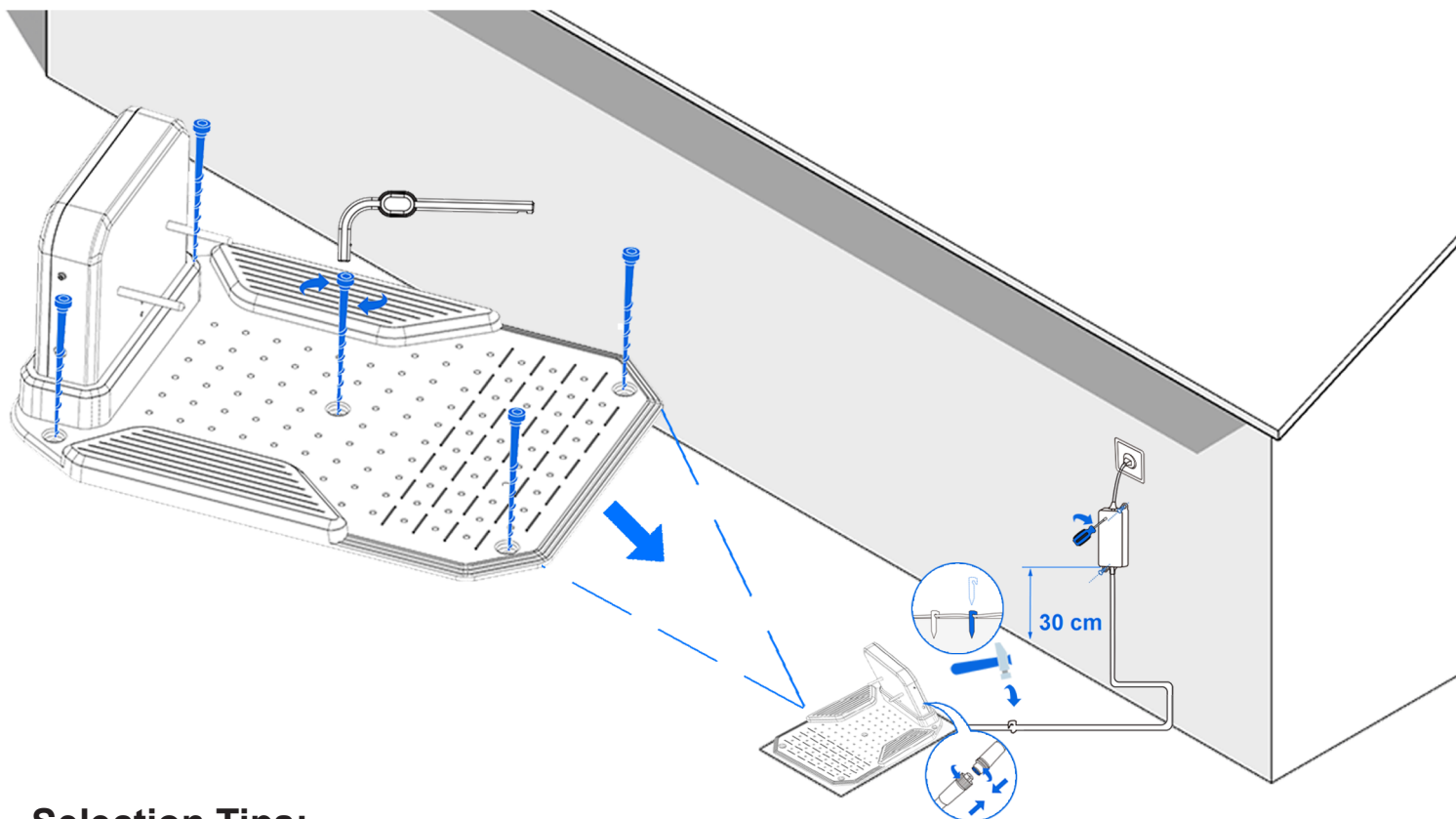
- Flashing indicates that the Hall effect sensor is triggered.
- Staying lit indicates that the device is being charged.
- Going off represents that the device is not being charged.

## Green light

- Fast flashing (with an interval of 100 ms) indicates the 2.4G network configuration status.
- Slow flashing (with an interval of 1,000 ms) indicates that the 2.4G network has been connected .
- Staying lit indicates that the Halow-Wifi is connected to the lawn mower.

## 2.4 Install for use

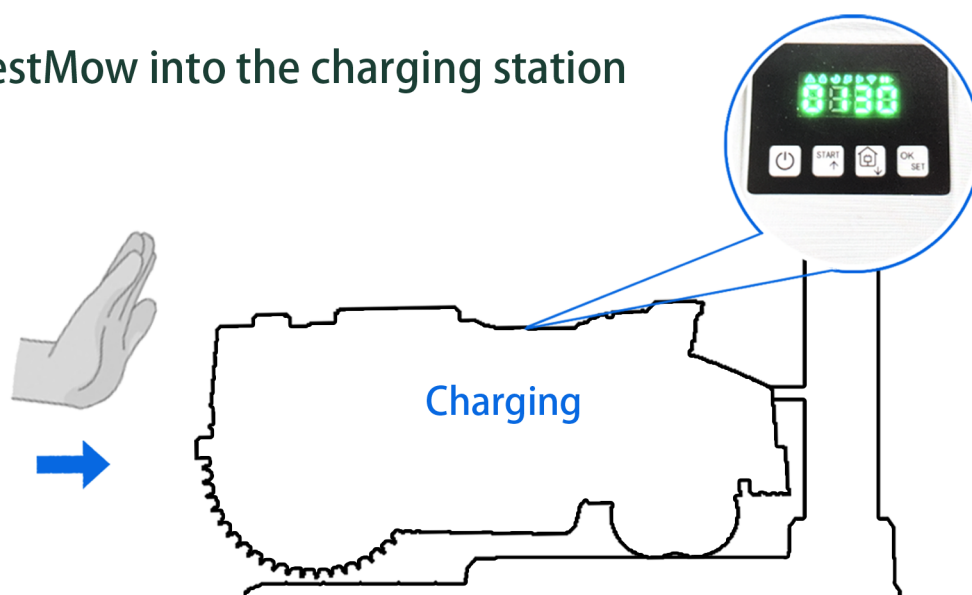
Select the installation address and install charging station



### Selection Tips:

- Flat ground: To keep a good charge, please install it on a flat lawn.
- Near WiFi signal: it needs to be installed close to the home WiFi signal.
- No obstacles or water: There are no obstacles and water spraying devices within 2 meters.
- Perpendicular and facing: it is perpendicular to the lawn boundary and faces the lawn.

Push BestMow into the charging station



## 3.5 Return to charge

### **Automatic recharge:**

When the robotic lawn mower completes mowing tasks normally or triggers the resume mowing condition, it will attempt to return to the charging station and recharge. To trigger the recharge function, the robotic lawn mower needs to be within the established working zones and not within any no-go zone.

### **Manual recharge:**

By operating the top panel button or issuing instructions through the APP, the robotic lawn mower can return to the charging station.

#### **Execute via the top panel button**

- Unlock the PIN code on the top panel.
- Click the home icon, then click OK.
- The robotic lawn mower will make a “beep” sound, indicating that the task instruction has been received.
- The robotic lawn mower will activate the return to charge function.

#### **Execute via the app**

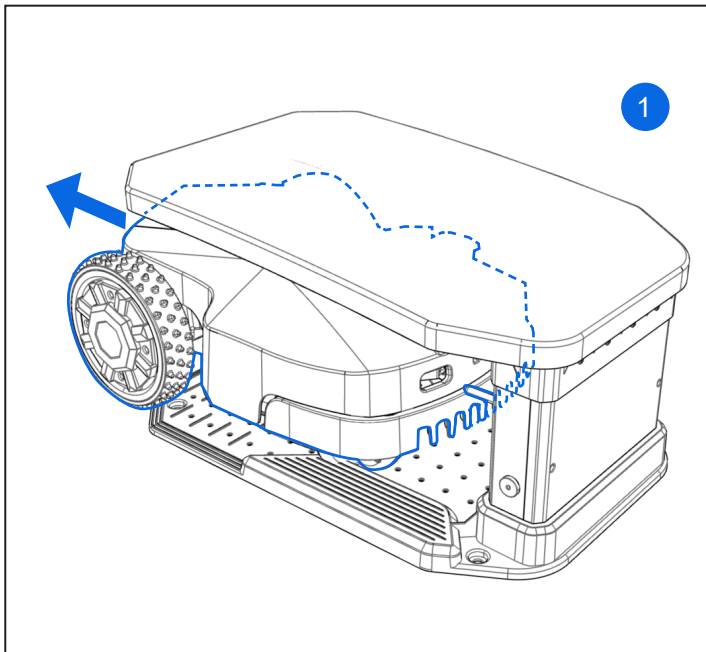
- Click the recharge icon on the homepage of the robotic lawn mower app.
- Click the Confirm button.
- The robotic lawn mower will activate the return to charge function

## 4. Maintenance

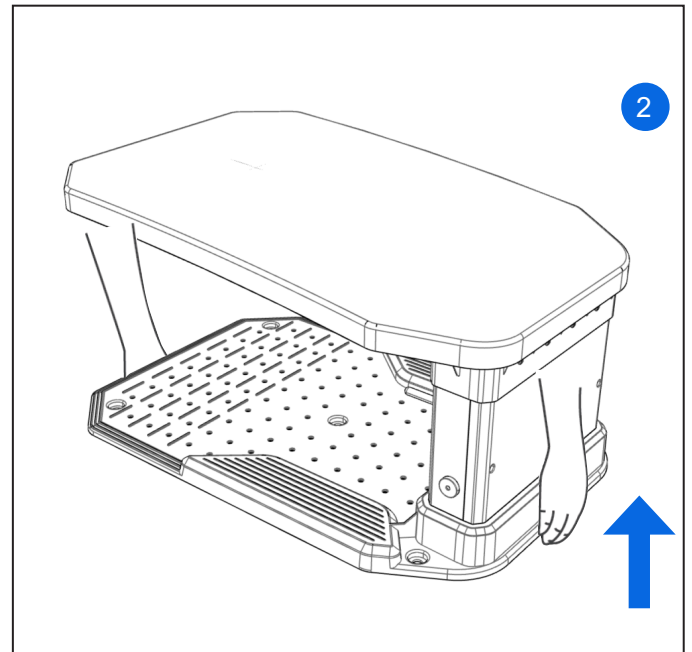
### 4.1 Transportation

#### WARNING

- Before moving the charging pile, it is necessary to cut off the power first and unplug the adapter from the socket.
- There are blades on the bottom of BESTMOW, which need to be kept away from the body.
- Do not lift the product while BESTMOW is charging at the charging station.
- To ensure your safety, please do not reach into the charging port to carry the machine.



Push the machine outwards along the direction of the charging pole.



Lift the bottom shell of the charging pile with both hands.

### 4.2 Clean

We recommend that you maintain good cleaning habits to keep your Charging in good condition.

#### WARNING

- Charging must be disconnected from power for any cleaning work.
- Please do personal protection before cleaning. Wear gloves, protective clothing, and shoes at all times.
- Do not use a high-pressure water jet to rinse Charging (both top and bottom). High pressure can cause water to enter the machine and damage electronic and mechanical components.
- Avoid cleaning charging station with corrosive cleaning agents such as alcohol and gasoline. These substances may damage the internal and external structures of the machine.
- When placing BESTMOW on the reverse side, it can be placed on a soft surface to avoid scratching the body.

A.Clean the upper body

- 1.Wipe the upper part of the fuselage and the front camera with a rag dampened with water. Check if there are branches, stones, etc. stuck above BESTMOW.
- 2.Check the charging port for branches or other objects.

4.3 Store

A.Storage Charging

- 1.Avoid extreme cold and extreme heat storage environments.
- 2.It is recommended to be stored in an environment with low humidity, no dust, and no corrosive gas.

5. Troubleshooting and fault messages

ATTENTION

- Before troubleshooting, please make sure:a.APP software is the latest version;b.BESTMOW software is the latest version;c.Mobile phone system is the latest version.
- If the current symptom cannot be solved, please get in touch with the after-sales service through the BEST-MOW app or the official website.
- In the event of an accident or failure, if the product is still within the warranty period,

CHARGING & BATTERY		
SYMPTOM	CAUSE	SOLUTIONS
BESTMOW can not connect the charging station.	<ul style="list-style-type: none"><li>• The identification code on the charging plug is blocked/stained and affects the visual positioning.</li><li>• There are foreign objects or dirt on the charging plug.</li></ul>	<ul style="list-style-type: none"><li>• Remove / clean the covering.</li><li>• Clean the charging plug.</li></ul>

## 6. Antenna Information

(1) Manufacturer: Guangzhou Hanwuji Electronics Technology Co., Ltd.

Address: Room 1119, 11th Floor, Building 1, Hongda Creative Park, No. 96, Yuanxiang Road, Yunpu Street, Huangpu District, Guangzhou City.

Antenna Gain:  $\leq 4.3(\text{peak})$

Antenna Type: Chip Antenna

Model: CA-C03

(2) Manufacturer: Guangzhou Hanwuji Electronics Technology Co., Ltd.

Address: Room 1119, 11th Floor, Building 1, Hongda Creative Park, No. 96, Yuanxiang Road, Yunpu Street, Huangpu District, Guangzhou City.

Antenna Gain:  $\leq 5\text{dBi}$

Antenna Type: Chip Antenna

Model: CA-S01

## 8. Warning

This device complies with Part 15 of the FCC Rules.

1.Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

2.This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

3. The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

4. Install and operate radiators at least 20 cm away from the human body in compliance with the FCC's radiation exposure limits for uncontrolled environments