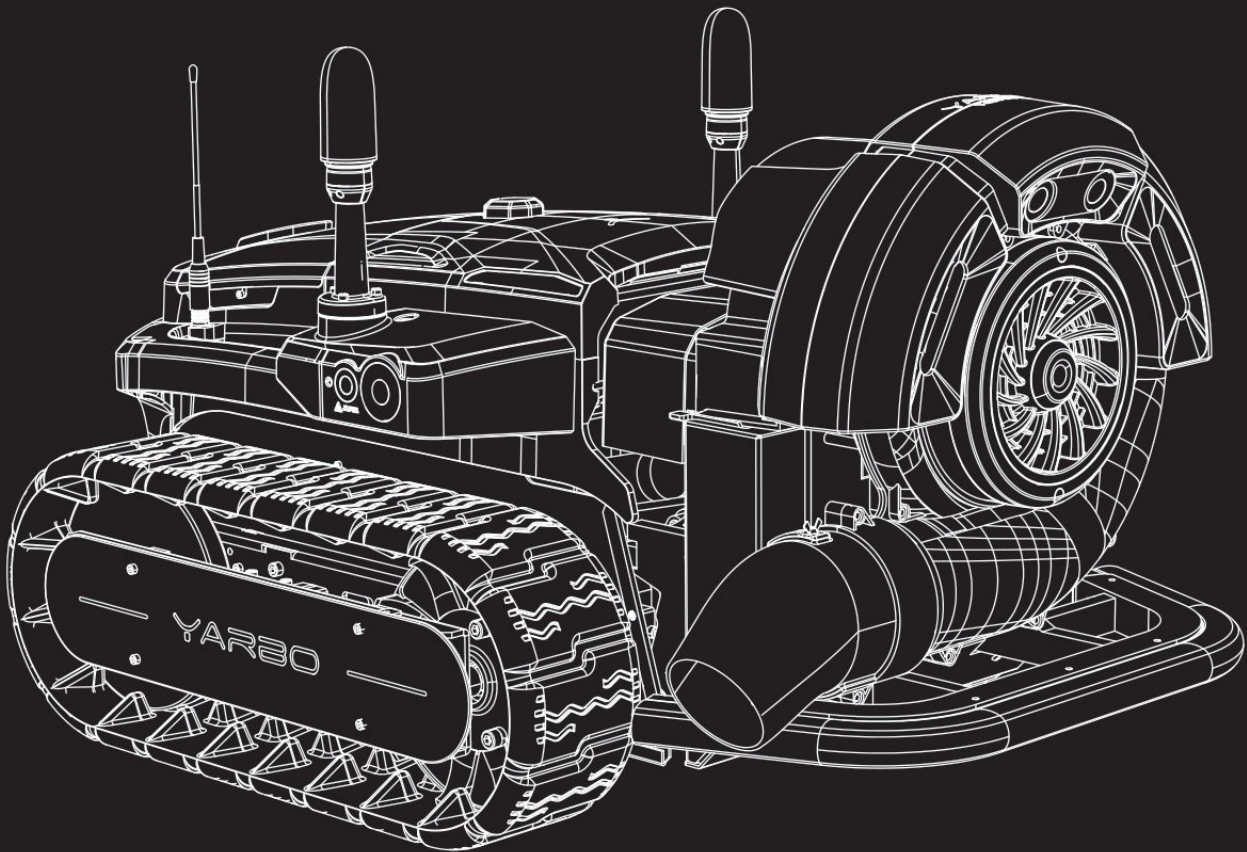


USER MANUAL

YARBO Y BLOWER



User Manual



Video Assembly Guide

YARBO

Table of Contents

Welcome

Safety

1.1 Pre-Operation Safety Instructions	01
1.2 Operation Safety Instructions	02
1.3 After-Operation Safety Instructions	02

Box Content Introduction

2.1 Blower Module Box	03
2.2 Product Overview	04

Installation Guide

3.1 Assembling Blower	05
3.2 Installing Yarbo App	11

Yarbo APP Features

4.1 Features Statement	12
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Maintenance Guide

5.1 Before Conducting Any Maintenance	13
5.2 Cleaning Yarbo Core	14
5.3 Applying Grease on the Tracks	15
5.4 Updating Firmware	16
5.5 Keeping Battery at Its Best Performance	16

Specification

6.1 Yarbo Blower Module	19
6.2 Operating Bands Specifications (For EU Models)	20
6.3 FCC Compliance Information (For US Models)	21

Limited Warranty

7.1 Residential Warrant Coverage	22
7.2 General Statement	23
7.3 Warranty Forfeiture	24

Welcome



Thank you for purchasing Yarbo Blower. We are more than happy to welcome you to our user community. We understand your anticipation for this long-awaited yard robot to free yourself and your family members from the annoying cleaning routine. Before you start using our product, we kindly ask you to thoroughly read this user manual for proper usage.

1. Safety



MUST READ

Failure to follow safety instructions may result in serious injury or property damage. Yarbo disclaims any liability for consequences arising from improper use or failure to follow these instructions.



1.1 Pre-operation Safety Instructions

- Ensure the area is free of obstacles that may cause damage to the product.
- Verify that the product is functioning correctly before use.
- Do not use the product if any parts are broken or malfunctioning.
- Do not allow children or pets to access the mobile app.
- Ensure the product is assembled and operated according to the user manual. The operator must read and fully understand the manual before use.
- Clean the cameras before use, if needed. Use only non-corrosive cleaners and soft materials. Take extra care, as the cameras may become hot and cause burns due to the heating film.



1.2 Operation Safety Instructions

- Always maintain a safe distance when using the mobile app or during automatic operation. Never place any part of your body near or under the Yarbo system, especially when it is turning or climbing slopes.
- Do not allow children, individuals with physical, sensory, or mental limitations, or those lacking experience or knowledge to operate Yarbo. Please note that local regulations may impose age restrictions on the operator.
- A trained and authorized individual must supervise untrained persons whenever Yarbo is in operation.
- Do not operate Yarbo if the operator is under the influence of alcohol, drugs, or illness.
- Do not throw objects toward the product or surrounding vehicles and buildings, as this may damage the auger or impeller of the active module.
- If Yarbo is operating in public spaces, clearly display warning signs around the work area. Examples include:
 - "Warning! Automatic Snow Blower! Keep away from the machine! Supervise children!"
 - "Warning! Automatic Lawn Mower! Keep away from the machine! Supervise children!"
 - "Warning! Automatic Blower! Keep away from the machine! Supervise children!"
- Do not operate Yarbo near fires, hot ashes, or heat sources to prevent fire hazards.

1. Safety

- Ensure Yarbo is powered off before clearing blockages, performing maintenance, or conducting inspections. If abnormal vibrations occur, stop operation immediately, press the emergency stop button, and inspect the device for damage. If the vibration continues, remove the battery and check for potential faults.
- Never step or sit on Yarbo at any time.
- Only use the provided docking station to charge Yarbo. To avoid electric shock, overheating, or battery leakage, do not touch any part of the charging station during charging.
- Caution: Slippery Surfaces — Areas where snow has been cleared may remain slippery. Pedestrians and vehicles should proceed with caution to avoid accidents.
- Adapt to Extreme Weather — In extreme conditions (e.g., heavy snowfall or icy surfaces), Yarbo's performance may be affected. Adjust your operation strategy accordingly for optimal and safe use.

1.3 After-operation Safety Instructions

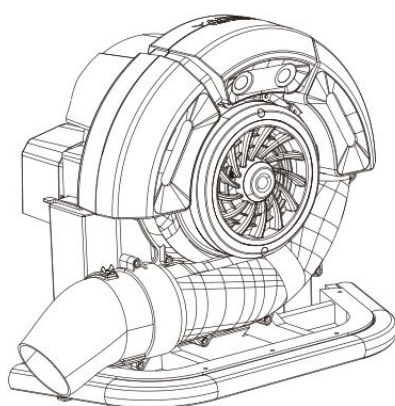
- Always wear gloves and follow the recommended maintenance procedures. Shut down Yarbo and remove the battery before performing any maintenance, inspections, or clearing blockages in the discharge chute.
- Disconnect the battery from the core if Yarbo will not be used for an extended period.
- Regular Maintenance: Regularly inspect the blades, battery, motor, and other parts to ensure proper function and minimize the risk of malfunction.

Disclaimer

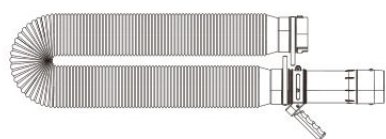
This safety guide is provided for general informational purposes. The operator is solely responsible for ensuring compliance with local laws, regulations, and safety standards. Yarbo disclaims all liability for injuries, damages, or losses arising from improper use, failure to follow these instructions, or failure to comply with applicable local laws and regulations.

2. Box Content Introduction

2.1 Blower Module Box



Blower Module



Handheld Flexible Blower Tube



Connecting Tube



Blower Tapered Nozzle



Yarbo Blower
User Manual



x2

Y-shaped Thumb
Screw Bolts



x2

Rubber Blower Nozzle
Screws

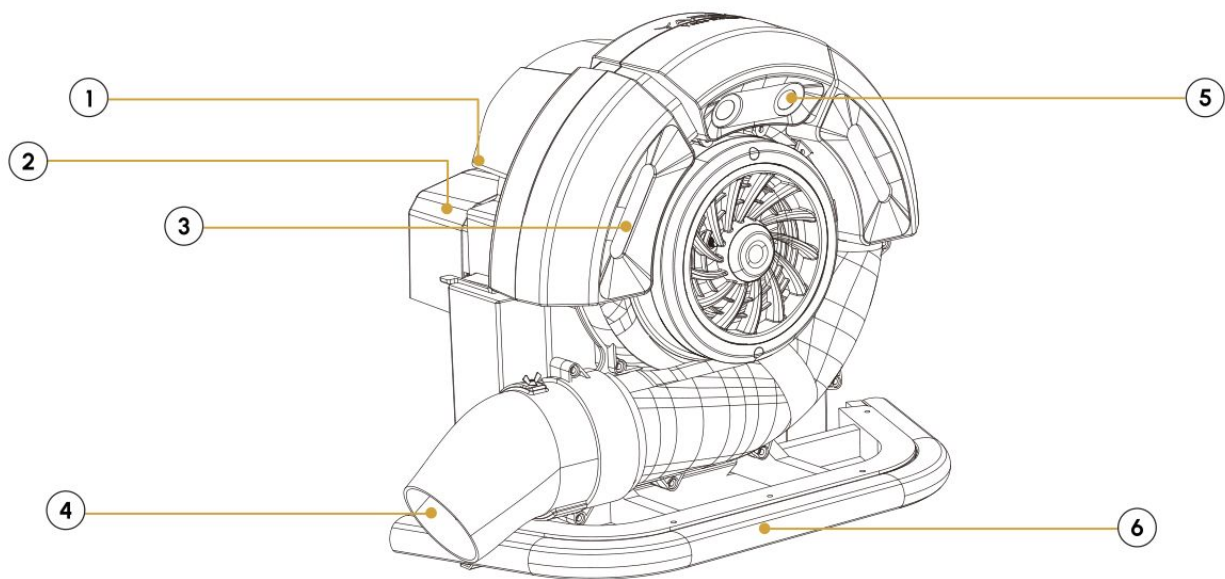


x2

T-Shaped Thumb
Screw Bolts

2. Box Content Introduction

2.2 Product Overview



① Lifting Handle

② Rubber Cover for Module Connection

③ Front Light

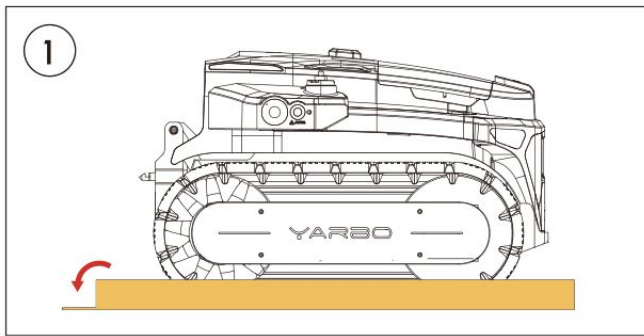
④ Nozzle

⑤ Front Binocular Camera

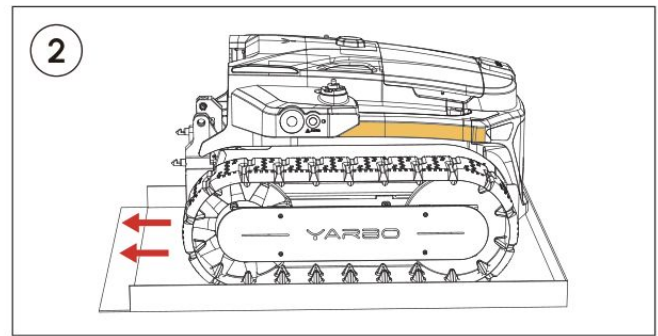
⑥ Bumper

3. Installation Guide

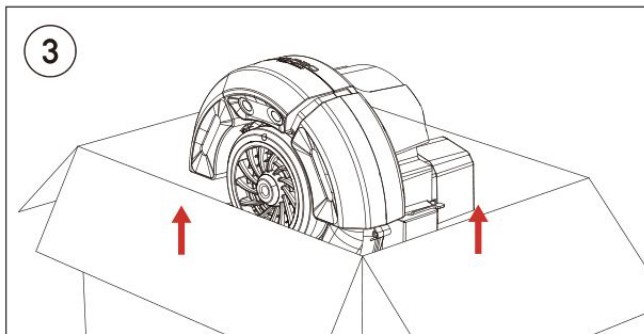
3.1 Assembling Blower



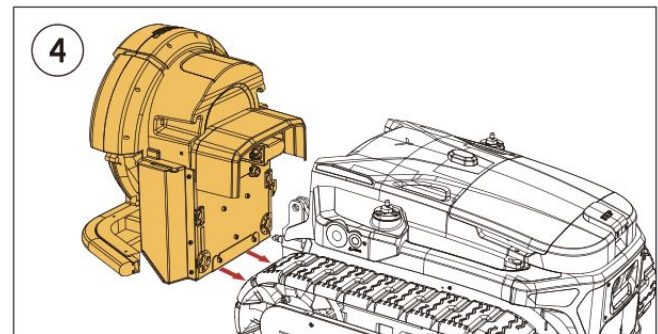
Cut the box along the cutting line on the bottom of the packaging box.



Grasp the lifting handles of the Yarbo Core and **push** the Yarbo Core out from the packaging box.

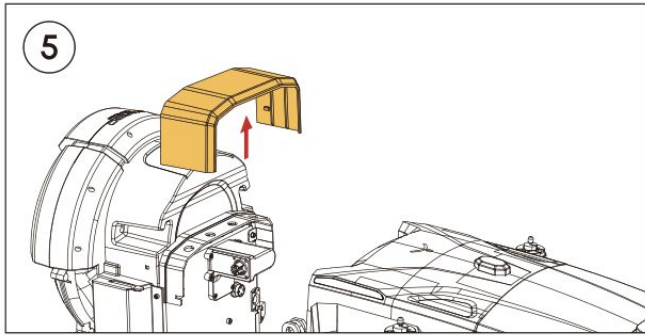


Carefully **lift** the Blower Module out of the packaging box by grasping the lifting handle at the two sides of the module.

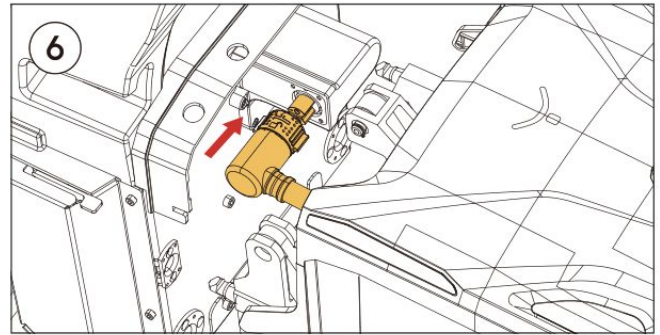


Pull the Blower Module close to the Yarbo Core by **grasping** the lifting holder on both sides, ensuring that the two parts are positioned closely enough to connect the cable.

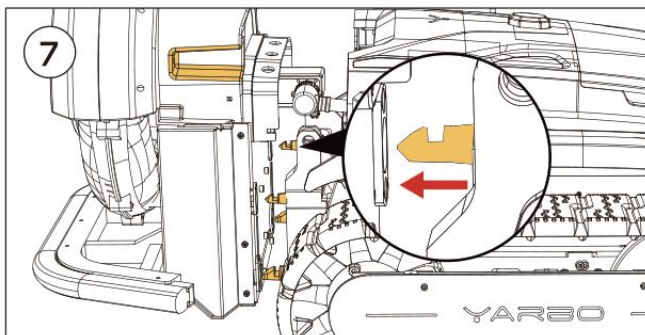
3. Installation Guide



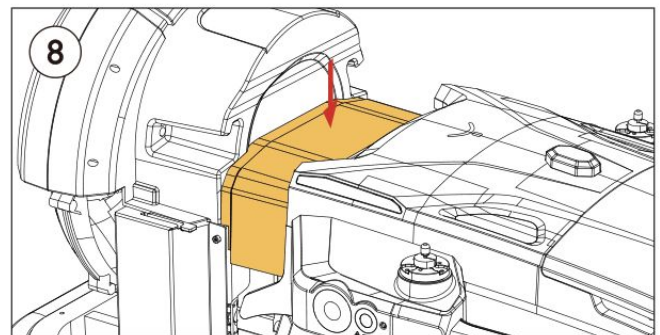
Remove the Rubber Connection Cover on the connection part of Blower.



Locate the connection cable from the Yarbo Core. Carefully **insert** the cable into the port located on the Blower Module, ensuring that it is properly aligned and securely connected.

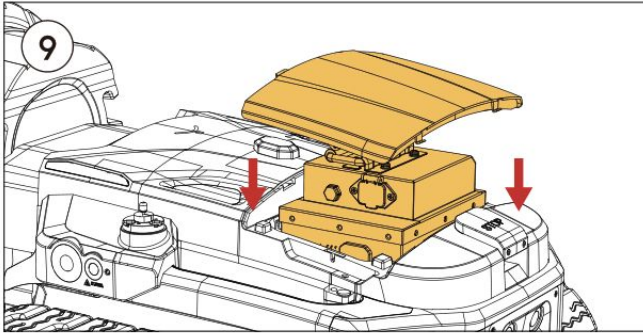


Locate the shafts and holes in the Yarbo Core and Blower Module and align the two parts.

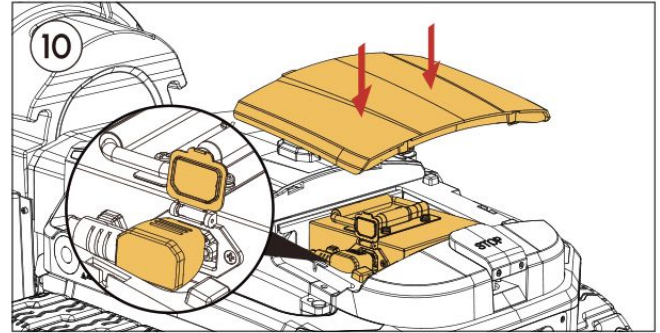


Locate the Rubber Connection Cover provided and **install** it onto the connection part of Blower Module.

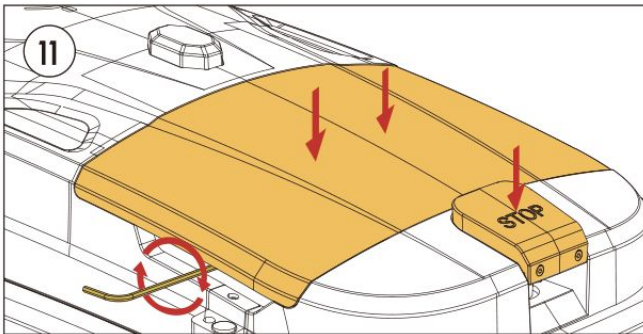
3. Installation Guide



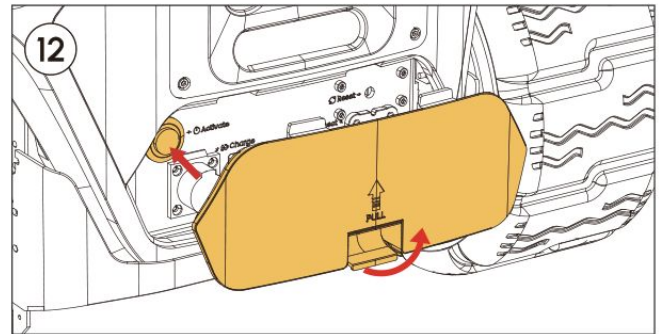
Open the battery cover and **place** the battery into the battery cabin.



Open the port lid and insert the power connection cable into the battery port. Place back the battery cover.



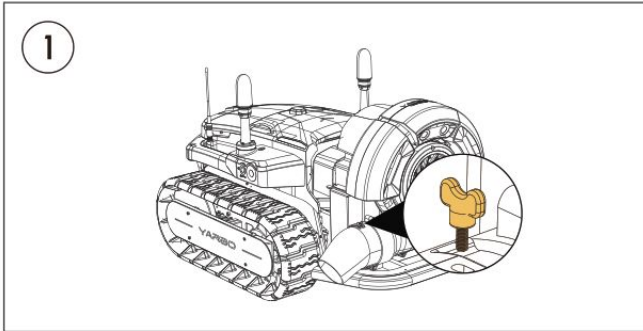
Screw the anti-theft bolts battery cover on both sides with Battery Cover Wrench provided in the package. **Press** the Emergency Stop Button.



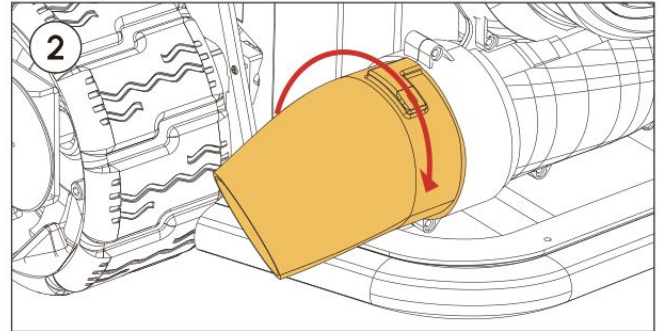
Remove the rear cover. **Press** the Activate button to turn on Yarbo. Reinstall the rear cover.

3. Installation Guide

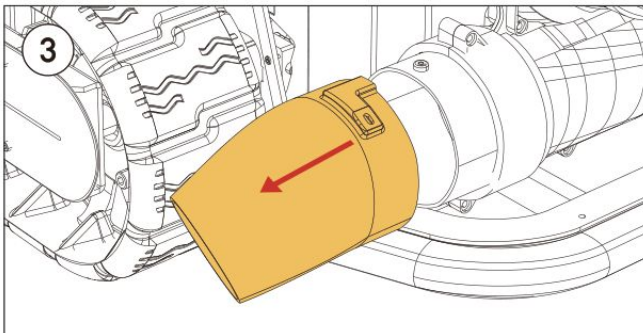
3.1.1 Switching to Handheld Flexible Blower Tube (optional)



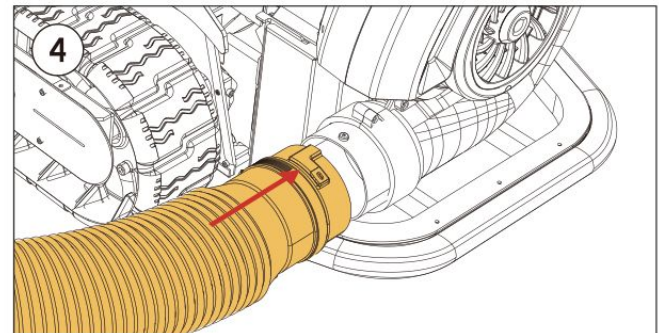
Unscrew the Y-shaped Thumb Screw Bolt by hand and safely **preserve** the bolt.



Rotate the Rubber Blower Nozzle and **align** the yellow arrow with the L-shaped section.

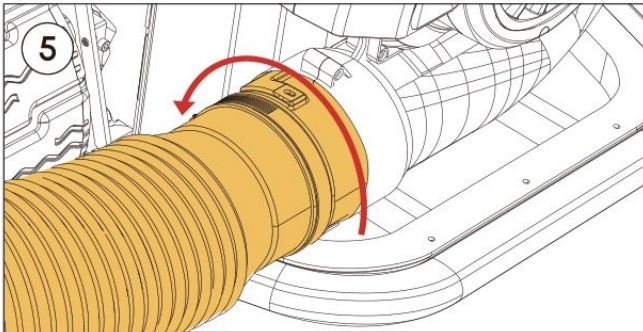


Remove the Rubber Blower Nozzle.

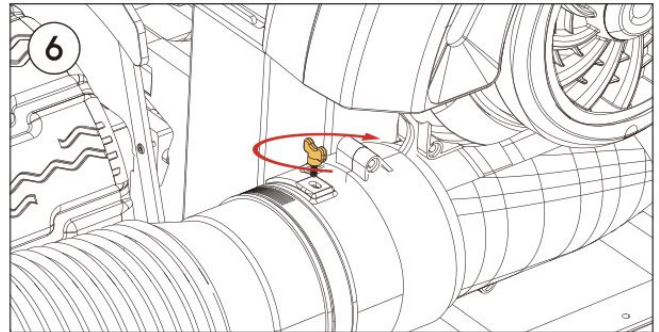


Locate the Handheld Flexible Blower Tube in the package. **Align** the yellow arrow on the machine end of the Handheld Flexible Blower Tube with the hole. **Push** the Tube into place.

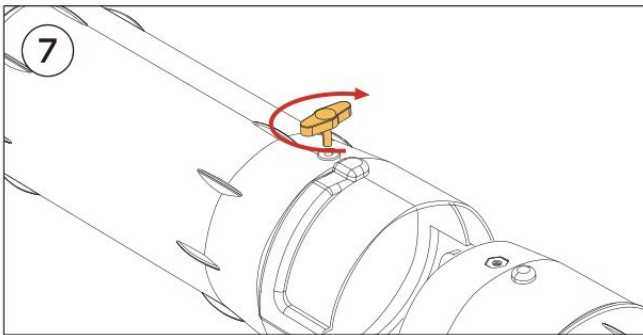
3. Installation Guide



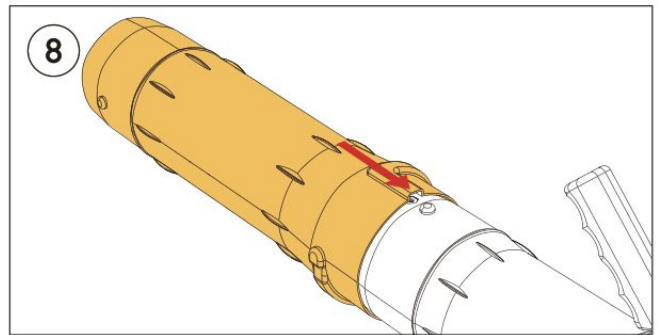
Rotate the Handheld Flexible Blower Tube until the two holes are aligned.



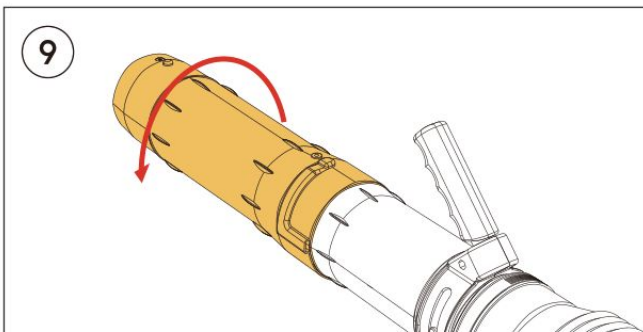
Locate the Y-shaped Thumb Screw Bolt. Screw the bolt by hand.



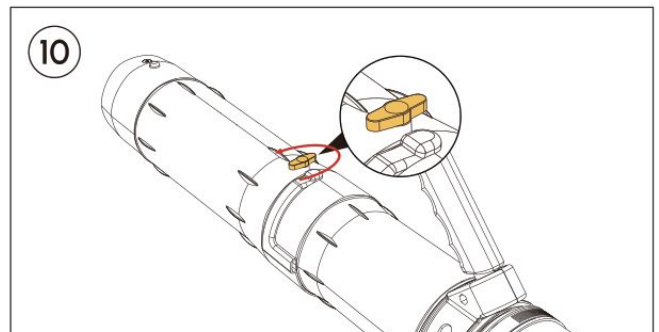
Locate the Connecting Tube in the package. **Unscrew** the T-Shaped Thumb Screw Bolt and safely **preserve** the bolt.



Align the yellow arrow on the control end of the Handheld Flexible Blower Tube with the L-shaped section on the Connecting Tube. **Push** the Connecting Tube into place.

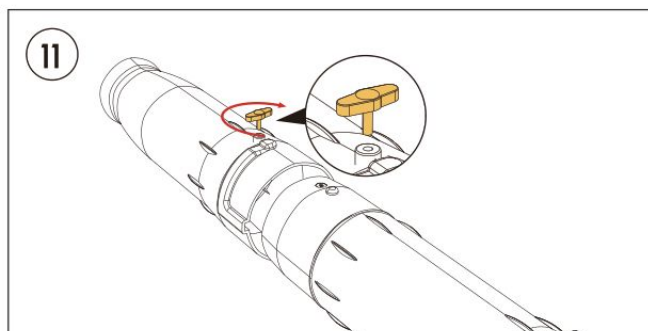


Rotate the Connecting Tube until the two yellow arrows are aligned.

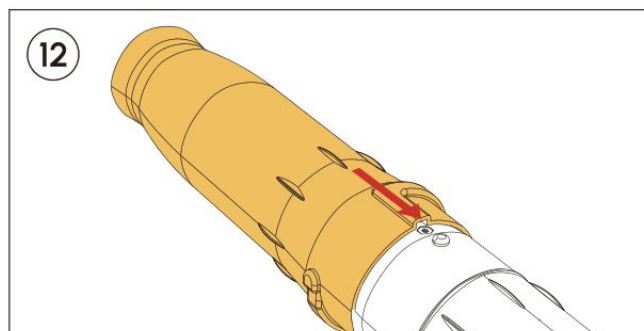


Locate the T-Shaped Thumb Screw Bolts and **screw** it.

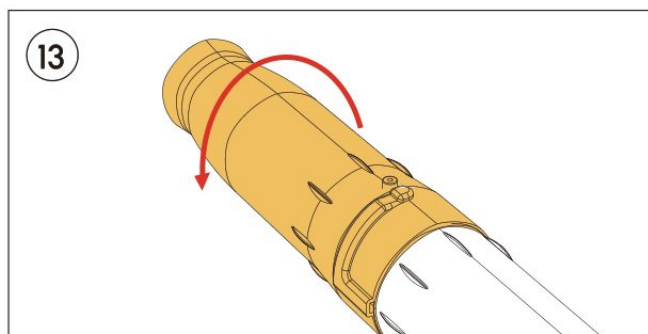
3. Installation Guide



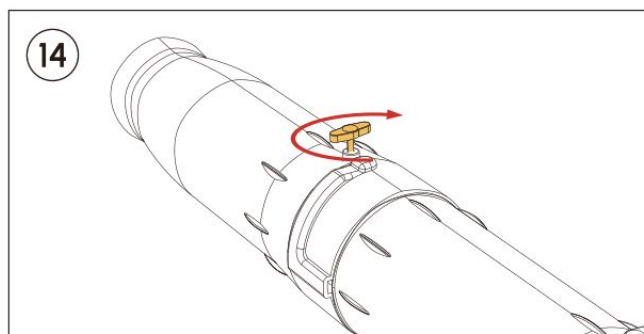
Locate the Blower Tapered Nozzle in the package. **Unscrew** the T-Shaped Thumb Screw Bolt and safely **preserve** the bolt.



Align the yellow arrow on the Connecting Tube with the L-shaped section on the Blower Tapered Nozzle. **Push** the Blower Tapered Nozzle into place.



Rotate the Blower Tapered Nozzle until the two yellow arrows are aligned.



Locate the T-shaped Thumb Screw Bolt and **screw** it.



NOTICE

- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved;
- Children shall not play with the appliance;
- Cleaning and user maintenance shall not be made by children without supervision;



WARNING

- For the purposes of recharging the battery, only use the detachable supply unit provided with this appliance.

3.2 Installing Yarbo App

The Yarbo App is a professional application that empowers you to manage and control your Yarbo anytime, anywhere, elevating your leaf blowing experience to new heights. With its impressive features, you can easily set up work schedules, define multiple working areas and no-go zones, and monitor Yarbo's operating status. Additionally, you can receive the latest firmware updates and access instruction manuals, video tutorials, FAQs, and more through the App.

Follow these simple steps to install and set up the Yarbo App:

- ① Download the Yarbo App by scanning the QR code below or searching on the app store.
- ② After installation, log in to your Yarbo account. If you don't have one, please register.
- ③ Follow the steps of the first-time user guide on the app. If there are few steps that are hard to understand, please refer to the app section of this user manual.

**Note: Once a device is associated with a Yarbo account, it cannot be linked to a new account. However, you can invite others to use your Yarbo through Yarbo Sharing in the app.*

iOS



Android





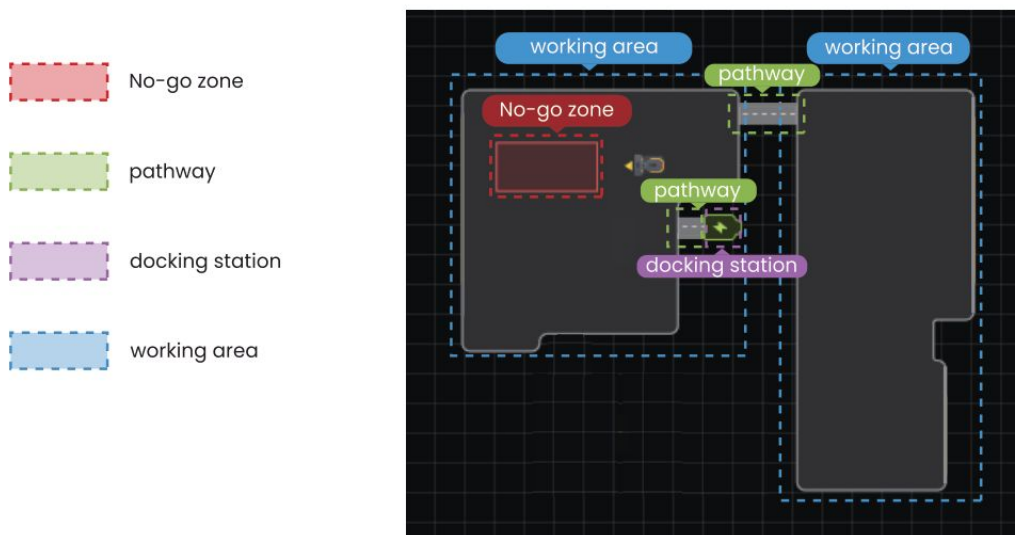
4. Yarbo APP Features

Before using the Yarbo App, we recommend taking a few moments to read through this user manual. The app plays a key role in operating your Yarbo device, so understanding its features and how it works is essential for a smooth experience. If you haven't downloaded the app yet, please refer to Section 3.2.

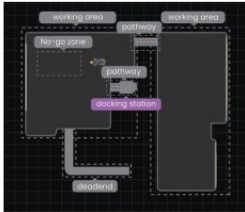
4.1 Features Statement

1.Mapping

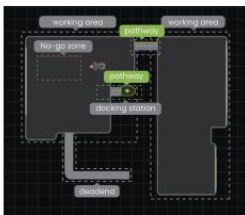
The mapping function is tailored for users to create a detailed map of the area where Yarbo to operate. Normally, A map encompass the docking station, pathways, woking areas, no-go zones. With the map, Yarbo can design its route through intelligent algorithm and execute the work plan depending on the personal schedule. The provided picture serves as an example of the map, showing two designated working areas, one No-go Zone, two Pathways and a docking station.



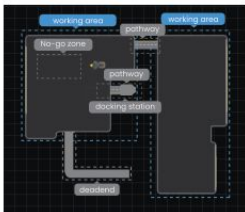
4. Yarbo APP Features

① **Docking Station serves two purposes:**

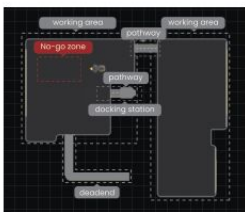
1. Charging Station – Marked by a green battery icon on the map.
2. Work Plan Starting Point – The designated location where Yarbo begins its tasks. If you need to move the docking station, update its position on the map by clicking "Reinstall Docking Station" on the Yarbo Settings page.

② **Pathway:**

A pathway is designed to be a narrow lane that connects the two elements. A pathway can connect the docking station and the working area. At the same time, it can also connect two working areas shown in the map.

③ **Working Area:**

The working area refers to an enclosed zone where Yarbo performs operations. While the entire map requires at least one working area connected to the docking station, additional working areas may be added and connected via pathways. To define a working area, simply drive Yarbo along the desired perimeter – the system will automatically recognize the boundary and handle all navigation routing. Each working area must maintain a fully enclosed boundary for proper operation.

④ **No-go Zone:**

The "No-go zone" refers to enclosed areas within the working area where you do not want Yarbo to enter. Typically, these areas include the swimming pool, flower beds, restricted areas, and large obstacles that may obstruct Yarbo's normal operation. Although the Yarbo can detect and avoid obstacles, drawing the no-go zone in advance can save time during operating.

4. Yarbo APP Features

2. Work Plan

The Work Plan feature is designed to help users create mowing tasks. Each work plan can be customized by choosing one or more elements on the map. In other words, users can create different work plans that include different elements on the same map. The purpose of creating different work plans is to ensure that different elements can have different working schedules.





Maintenance Video

5. Maintenance Guide

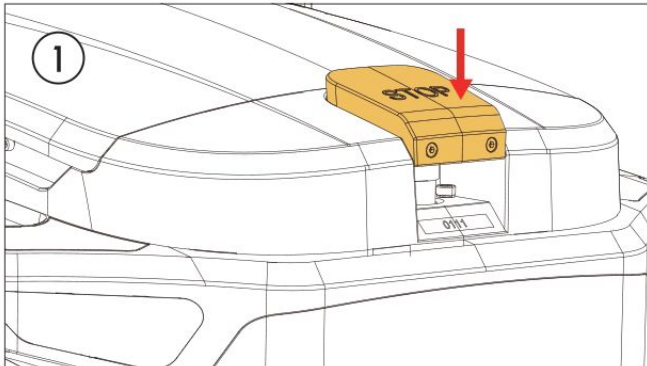
5. Maintenance Guide

5.1 Before Conducting Any Maintenance

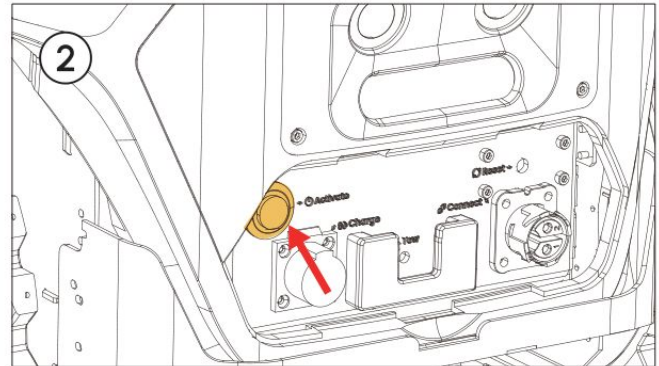
WARNING

- Please ensure that you do not wear open-toed shoes or go barefoot when performing the following maintenance tasks.
- Always use appropriate Personal Protective Equipment (PPE). Wear protective gloves and goggles whenever performing maintenance tasks or when needed.
- Ensure that Yarbo is switched OFF and disconnects the battery when performing the following maintenance tasks.

Disconnecting Battery from Yarbo

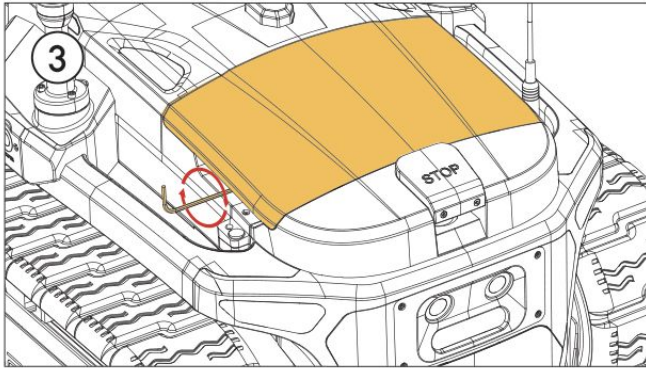


Press the Emergency Stop button first, and then shut down the Yarbo Core from the app.

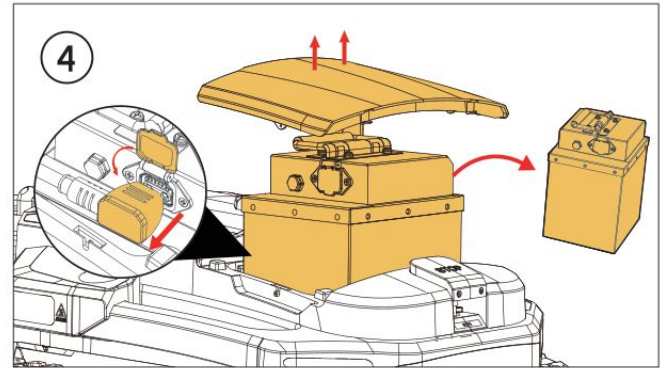


Confirm that Yarbo is turned off by checking if all the lights are switched off. For detailed instructions on how to turn off the machine, please refer to the **Yarbo App**.

5. Maintenance Guide



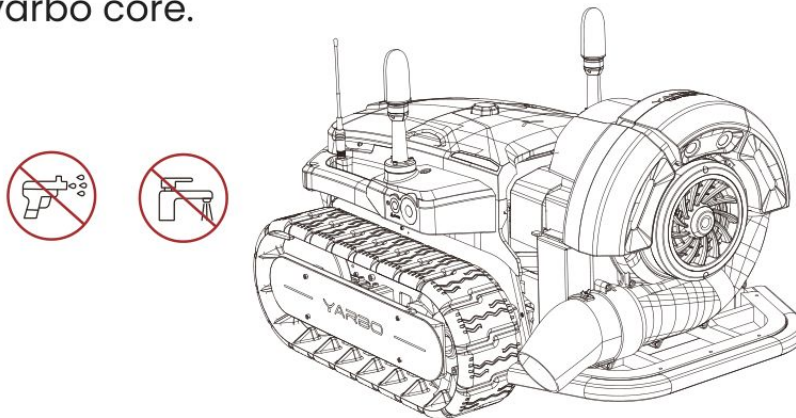
Unscrew the bolts on the side of the battery cover.



Remove the battery cover and unplug the cable connecting Yarbo and battery pack. **Remove** the battery pack and safely secure it.

5.2 Cleaning Yarbo Core

Please avoid using solvents or large amount of liquid on plastic components, as commercial solvents can potentially harm the appearance and integrity of your Yarbo. Instead, use a clean and gentle cloth or a brush to remove debris, mud, and other particles. Please avoid using the high-pressure water hose or any high pressure cleaning methods to clean the yarbo core.



WARNING

- If the cameras used for obstacle avoidance are covered, dirty, or unclear, the visual algorithm may not function correctly. Clean the cameras regularly using a soft, dry cloth to ensure proper visibility.
- Keep the power socket away from any liquids or moisture. Do not allow the power socket to come into contact with anything wet.
- Always install the protective covers on both the power socket and module connector when not in use. This helps prevent damage from dust, water, or accidental contact.

5.3 Applying Grease on the Tracks

It is crucial to apply grease regularly on the tracks to maintain smooth rotation of the drive wheel and road wheels. This is especially important during the machine's first year of use. Over time, grease may degrade and diminish, making regular refills essential. We advise applying grease every two weeks throughout the snow season. While various grease types are suitable, we recommend opting for high-vacuum grease for optimal performance. Below are the situations when immediate application of grease is needed.

- **Motion Hampered:** When you sense that your Yarbo has not been greased for a while and its motion might be hampered due to this.
- **Noisy Operation:** Unusual noise coming from the tracks indicates possible friction or wear. Applying grease can help reduce this noise by lubricating the moving parts and reducing friction.
- **Track Disengagement:** If you notice the track becoming detached from the main body during inspection, it could be due to inadequate lubrication. Greasing the tracks can help maintain a secure connection between the tracks and the main body of the machine.



NOTICE

- The presence of debris or mud on the rubber tracks can negatively impact Yarbo's driving performance. To maintain optimal performance, make sure to clean debris and mud from the rubber tracks on a regular basis.

5. Maintenance Guide

5.4 Updating Firmware

Ensuring optimal performance of Yarbo at the hardware level is crucial, but it's equally vital to maintain the firmware up-to-date. Regular firmware updates notification will be made available through the Yarbo App. We highly recommend utilizing the built-in Over-The-Air (OTA) technology within the Yarbo App to update the firmware as soon as new versions are released. These updates consistently enhance the capabilities of the product.

Before proceeding to update firmware, please ensure that the following conditions are met:

- ① Installing Anti-slip Studs The battery level is at least 30%.
- ② The Data Center is connected to the internet.
- ③ No working schedules are active within the next hour to prevent interruptions during the update process.

5.5 Keeping Battery at its Best Performance

Extended periods of inactivity can significantly diminish the performance of the battery pack. To minimize this degradation, it's important not to leave the battery pack inactive for more than three months. Lithium-ion battery packs experience slight self-discharge over time. Charging the battery pack for at least 15 minutes once every three months will suffice to maintain its activity level.



NOTICE

- The battery pack lifespan is influenced by operation frequency and total working hours. If the operating time per full charge noticeably decreases, it might be the time to consider replacing the battery pack.

6. Specification

6.1 Yarbo Blower Module

Item	Value
Dimensions, length*width*height	562*370*458mm(22.1*14.6*18.0in)
Weight	13kg
AIR VOLUME AT NOZZLE	607CFM / 1031m ³ /h
MAX. AIR VELOCITY	174MPH / 78m/s
BLOWING FORCE	21N
Rotational Speed	8000RPM
Blower Motor Power	2000W
Charging Time	180min (0-100%)
Maximum Climbing Capability, Slope Degree	70%(35°)
Waterproof level	IPX5

6. Specification

6.2 Operating Bands Specifications (For EU Models)

blower Frequency Range :

Bluetooth(BR+EDR)&BLE	2402MHz~2480MHz
2.4G Wi-Fi	2412~2472MHz
5G Wi-Fi Band 1	5180MHz~5240MHz
5G Wi-Fi Band 4	5745MHz~5825 MHz
Halow	863.0~865.0MHz, 865.0~868.0MHz
GPS	1559~1610MHz
2.4G	2402MHz~2462MHz
FDD-LTE Band 1/3/7/8/20/28 & TDD-LTE Band 38/40	

6.3 FCC Compliance Information (For US Models)

Product Identification

Product Name	Yarbo Blower
Model Number	2435

Responsible Party – U.S. Contact Information

Yarbo International Inc.
3100 Golf Rd, Unit B, Rolling Meadows, IL 60008, United States
Telephone: +1 (888) 550-6809
Internet: www.yarbo.com
Email: support@yarbo.com

Compliance Statement

This device complies with Part 15 of the FCC Rules. 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.

CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Class B Digital Device Notice

This equipment has been evaluated for the limits applicable to a Class B digital device under Part 15 of the FCC Rules. Those limits are intended to provide reasonable protection against harmful interference in residential installations. The equipment can generate and use radio-frequency energy and may also radiate such energy. If it is not installed and used as instructed, it may cause harmful interference to radio communications. Compliance with the limits does not guarantee that interference will never occur in a particular installation. If this equipment causes harmful interference to radio or television reception, as determined by turning the equipment off and on, the user should try one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from the one used by the receiver.
- Consult the dealer or an experienced radio/TV technician for assistance.

7. Limited Warranty

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7.1 Residential Warranty Coverage

Item	Parts	Warranty Period
Motor system	Linear Actuator	2 Years
	Driving Motor	
Power System	Lithium-ion Battery	2 Years
	Power Adapter	
	Docking Station	
Electric Control System	RTK System	2 Years
	Motherboard	
Vision System	Camera	2 Years
Consumables	Shell	1 Year
	Track	No Warranty

7.2 General Statement

1. Yarbo International Inc. shall not be liable for compensation if it can prove one of the following circumstances:

- ① The product has not been put into circulation;
- ② When the product is put into circulation, the defect causing damage does not yet exist;
- ③ When the product is put into circulation, the scientific and technological level cannot yet detect the existence of defects.

2. The warranty service is valid from the date of product delivery. When requesting after-sales service, our authorized service dealer may require the original invoice or receipt containing relevant information. In the absence of proof of purchase, the warranty period will commence based on the product's manufacturing date.

3. This warranty applies exclusively to original purchasers. Replacements do not initiate a new warranty; the original warranty remains valid from the initial delivery date. It's important to note that you may be responsible for covering the delivery costs associated with return, repair, or replacement of the product.

4. Yarbo will perform a diagnostic assessment on the returned product. If the defective product aligns with our limited warranty policy, Yarbo will cover the cost of repair or replacement. However, you may be responsible for the associated delivery charges.

5. Yarbo assumes no liability for any direct or indirect consequences arising from any cause, including but not limited to loss of use or loss of profits.

6. Please be mindful that any damage resulting from inappropriate packaging, other than the standard Yarbo packaging, is the sole responsibility of the customer. If you no longer have the original packaging, you must obtain suitable packaging or consult Yarbo's technicians for proper packaging guidance.

Repair and Warranty Services:

We have established a global after-sales service team, supported by local service partners, to ensure prompt and efficient service for all our users worldwide. Our comprehensive support includes a dedicated call center and local repair centers in key markets.

7. Limited Warranty

To request a repair service, please send your request to **support@yarbo.com** or contact us at **+1(888)-550-6809**.

If your product is still within the free warranty period and meets the criteria for a warranty repair, the service will be provided at no charge. If your product does not qualify for free warranty repair, standard repair fees may apply.

7.3 Warranty Forfeiture

The warranty may be forfeited under the following circumstances:

1. Failure to adhere to the operating or maintenance guidelines outlined in the User Manual.
2. Neglecting to perform the prescribed battery and product maintenance procedures.
3. Modification or repair conducted by an unauthorized service provider.
4. Damages resulting from forced operation with aged or deteriorated components.
5. Damages or product malfunctions arising from the misuse of unauthorized components or accessories.
6. Damages caused by non-defective factors, including but not limited to crashes or collisions. Additionally, damages caused by manually operating the product with a low-charged or defective battery, or tampering with the seals and labels on the product.
7. Components subject to normal wear and tear, such as the auger, rubber track, belt, or other parts subjected to typical usage, are not covered by warranty. For the purchase of these items, refer to our website at www.yarbo.com/pages/contact-us or connect with an authorized service dealer.
8. Warranty coverage does not extend to products used for commercial purposes. Commercial use includes instances where the product is employed in institutions, rented out, or utilized at multiple locations.

YARBOR INTERNATIONAL INC.

www.yarbo.com

For Privacy Policy, please visit:

<https://www.yarbo.com/legal/privacy-policy>

Please note, the User Manual may be updated based on the changes in production, product specification, included contents and so on.

For the latest version of the User Manual, please visit:

<https://www.yarbo.com/support>



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☎ +1 (888)550-6809

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