



Owner's manual

Users can view the electronic instructions at <https://wiki.worx.com/en>.

ORIGINAL INSTRUCTIONS

PRODUCT SAFETY

GENERAL SAFETY WARNINGS

⚠ WARNING: Read all safety warnings and all instructions. *Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.*

Carefully read the instructions for the safe operation of the machine.

Save all warnings and instructions for future reference.

-This appliance is not intended for use by persons (including children) 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 appliance by a person responsible for their safety.

-Children should be supervised to ensure that they do not play with the appliance.

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

WARNING: To reduce the risk of injury to persons and damage to the machine, do not remove battery pack before switching off the machine.

IMPORTANT

READ CAREFULLY BEFORE USE

KEEP FOR FUTURE REFERENCE

Safe operation practices

Training

- a) Read the instructions carefully. Make sure you understand the instructions and be familiar with the controls and the proper use of the appliance.
- b) Never allow people unfamiliar with these instructions or children to use the appliance. Local regulations can restrict the age of the operator.
- c) The operator or user is responsible for accidents or hazards occurring to other people or their property.

Preparation

- a) Ensure the correct installation of the automatic perimeter delineation system as instructed. This machine works without boundary wire or virtual boundary. It can automatically identify the working area and non-working area through the camera. Once the machine is turned on, the camera will automatically turn on and work at the same time. The machine recognizes that the lawn is the working area through the camera, and the non-working area that is not the lawn. When the machine walks to the boundary between lawn and non-lawn, it will automatically turn to return to the working area.
Add a magnetic strip to separate it from the neighbor's lawn. The machine returns when it encounters a magnetic strip while mowing. Return along the magnetic strip when returning.
- b) Periodically inspect the area where the appliance is to be used and remove all stones, sticks, wires, bones, and other foreign objects. Periodically inspect and clean the boundaries between grass and non-grass. Clearing boundaries helps the lawnmower to identify the working area.
- c) Periodically visually inspect to see that the blades, blade bolts and cutter assembly are not worn or damaged. Replace worn or damaged blades and bolts in sets to preserve balance.
- d) On multi-spindle appliances, take care as rotating one blade can cause other blades to rotate.
- e) **WARNING!** The lawnmower shall not be operated without the guard in place.

Operation

1. General

- a) Never operate the appliance with defective guards, or without safety devices, for example deflectors, in place.
- b) Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times.
- c) Never pick up or carry an appliance while the motor is running.
- d) Operate the disabling device from the appliance.
 - Before clearing a blockage;
 - Before checking, cleaning or working on the appliance;
 - After striking a foreign object to inspect the machine for damage;
 - If the machine starts to vibrate abnormally, and to check for damage before restarting.
- e) It is not permitted to modify the original design of robotic lawnmower. All modifications are made at your own risk.
- f) Start robotic lawnmower according to the instructions. When the power key is switched on, make sure you keep your hands and feet away from the rotating blades. Never put your hands and feet under the mower.
- g) Never lift up robotic lawnmower or carry it when the power key is switched on.
- h) Do not let persons who do not know how robotic lawnmower works and behaves use the mower.
- i) Do not put anything on top of robotic lawnmower or its charging base.
- j) Do not allow robotic lawnmower to be used with a defective blade disc or body. Neither should it be used with defective blades, screws, nuts or cables.
- k) Always switch off robotic lawnmower when you do not intend to use the mower. Robotic lawnmower can only start when the power key is switched on and the correct PIN code has been entered.
- l) Keep your hands and feet away from the rotating blades. Never place your hands or feet close to or under the body when robotic lawnmower is in operation.
- m) To avoid using the machine and its peripherals in bad weather conditions especially when there is a risk of lightning.
- n) Do not touch moving hazardous parts before these have come to a complete stop.
- o) For machines used in public areas, that 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!
- p) To avoid the risk of injury, please stop the mower and carry out the mower to another lawn to be mowed. Never drag or pull the mower on operation when you change the lawn to be mowed.

2. Additionally when the appliance is operating automatically

- a) Do not leave the machine to operate unattended if you know that there are pets, children or people in the vicinity.
- b) Please set the smart phone to automatically lock the screen after 30 s to prevent the app from being misused by others.

Maintenance and storage

⚠ WARNING! When the mower is turned upside down the power key must always be switched off.

The power key should be switched off during all work on the mower's underframe, such as cleaning or replacing the blades.

- a) Keep all nuts, bolts and screws tight to be sure the appliance is in safe working condition.
- b) Inspect the robotic lawnmower each week and replace worn or damaged parts for safety.

- c) Check especially that the blades and blade disc are not damaged. Replace all blades and screws at the same time if necessary so that the rotating parts are balanced.
- d) Ensure that only replacement cutting means of the right type are used.
- e) Ensure that batteries are charged using the correct charger recommended by the manufacturer. Incorrect use may result in electric shock, overheating or leakage of corrosive liquid from the battery.
- f) In the event of leakage of electrolyte flush with water/neutralizing agent, seek medical help if it comes into contact with the eyes etc.
- g) Servicing of the appliance should be according to manufacturers' instructions.
- h) In order to obtain the best performance, please pay attention to the following ambient temperature range, do not charge, use, or store in the case of exceeding the following temperature range:
 - a) Charging temperature range: 0°C~40°C
 - b) Discharge temperature range: -20°C~55°C
 - c) Storage temperature range: -20°C~75°C
- i) Leaking battery fluid can cause skin and eye irritation or chemical burns.
 - a) Avoid contact with skin and eyes.
 - b) If liquid gets in eyes: Do not rub. Flush open eyes with water for at least 15 minutes, and seek medical advice.
 - c) In case of accidental contact, wash the contact area immediately and thoroughly with mild soap and water.
 - d) Use an inert absorbent such as sand on spilled liquid.

Recommendation

To connect the machine and/or its peripherals only to a supply circuit protected by a residual current device (RCD) with a tripping current of not more than 30 mA.

Residual risks

To avoid injuries, wear protective gloves when replacing the blades.

Transport

The original packaging should be used when transporting robotic lawnmower over long distances.

To safely move form or within the working area:

- a) Press the STOP button to stop the mower.
You select the four digit PIN code when you start the mower for the first time.
- b) Always switch off robotic lawnmower if you intend to carry the mower.
- c) Carry the mower by the handle at the front under the mower. Carry the mower with the blade disc away from the body.

RF exposure requirements

To satisfy RF exposure requirements, a separation distance of 200mm or more should be maintained between this device and persons during device operation.

To ensure compliance, operations at closer than this distance is not recommended. The antenna used for this transmitter must not be co-located in conjunction with any other antenna or transmitter.

This is a class III appliances and it must only be supplied at safety extra low voltage corresponding to the marking on the appliance.

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

Safety Warnings for battery pack

- a) **Do not dismantle, open or shred cells or battery pack.**
- b) **Do not short-circuit a battery pack. Do not store battery packs haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by conductive materials.** When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
- c) **Do not expose battery pack to heat or fire. Avoid storage in direct sunlight.**
- d) **Do not subject battery pack to mechanical shock.**
- e) **In the event of battery leaking, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.**
- f) **Keep battery pack clean and dry.**
- g) **Wipe the battery pack terminals with a clean dry cloth if they become dirty.**
- h) **Battery pack needs to be charged before use. Always refer to this instruction and use the correct charging procedure.**
- i) **Do not maintain battery pack on charge when not in use.**
- j) **After extended periods of storage, it may be necessary to charge and discharge the battery pack several times to obtain maximum performance.**
- k) **Recharge only with the charger specified by Worx. Do not use any charger other than that specifically provided for use with the equipment.**
- l) **Do not use any battery pack which is not designed for use with the equipment.**
- m) **Keep battery pack out of the reach of children.**
- n) **Retain the original product literature for future reference.**
- o) **Remove the battery from the equipment when not in use.**
- p) **Dispose of properly.**
- q) **Do not mix cells of different manufacture, capacity, size or type within a device.**
- r) **Keep the battery away from microwaves and high pressure.**
- s) **Warning! Do not use non-rechargeable batteries.**

User manual requirements for wireless product

- a) Operation of this device 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.
- b) Caution: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- c) NOTE: 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.

INFORMATION ON THE MOWER



WARNING – robotic lawn mower can be dangerous if incorrectly used. Read through the Operator's manual carefully and understand the content before using your robotic lawn mower.



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



WARNING – Operate the disabling device before working on or lifting the machine.



WARNING - Do not ride on the machine.



Li-Ion battery. This product has been marked with a symbol relating to 'separate collection' for all battery packs and battery pack. It will then be recycled or dismantled in order to reduce the impact on the environment. Battery packs can be hazardous for the environment and for human health since they contain hazardous substances.



Do not burn



Batteries may enter water cycle if disposed improperly, which can be hazardous for ecosystem. Do not dispose of waste batteries as unsorted municipal waste.



Prohibit disassembling the machine without authorization.



Waste electrical products must not be disposed of with household waste. Please recycle where facilities exist. Check with your local authorities or retailer for recycling advice.



Class III appliance



Read operator's manual



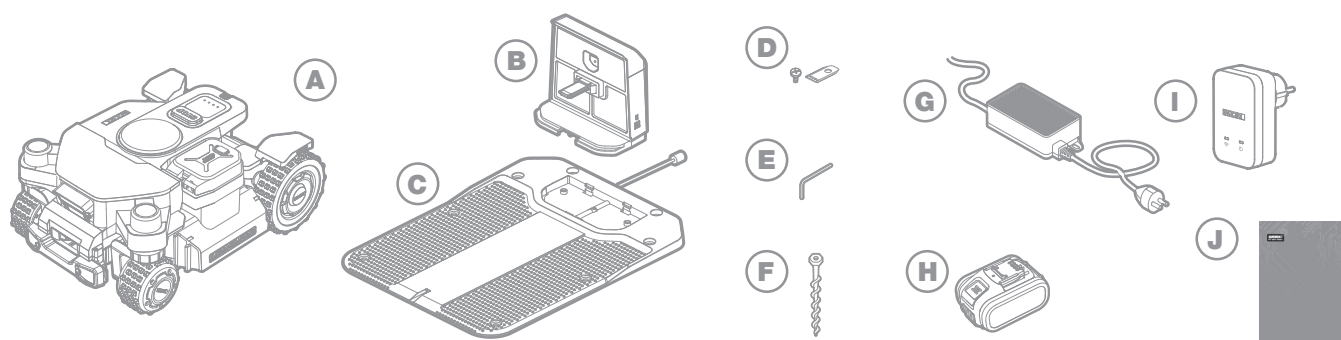
Detachable supply unit



The symbol on the packaging is for France only.

Your mower can be used with other Worx functional accessories. Visit www.worxlandroid.com to learn more about these available accessory options.

WHAT'S IN THE BOX



- A Robotic lawnmower
- B Charging tower
- C Charging base plate
- D Spare blades kits
- E Hex key

- F Screws
- G Power supply
- H 20V battery
- I RadioLink (standard only with WR342E)
- J Manuals



APP



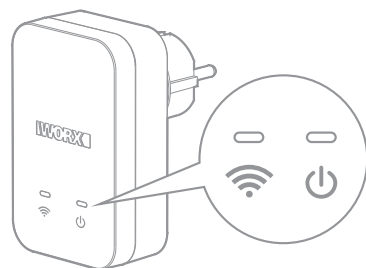
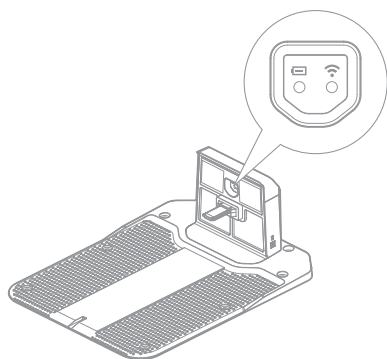
MANUAL



HELPLINE



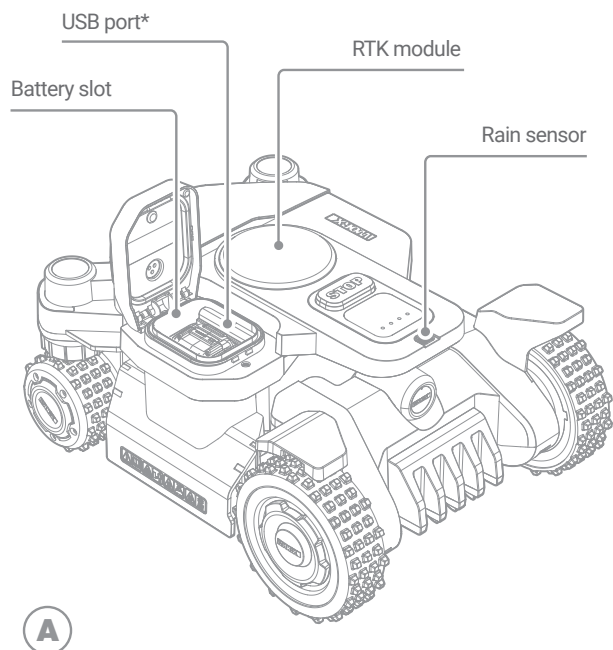
GETTING TO KNOW POWER SUPPLY



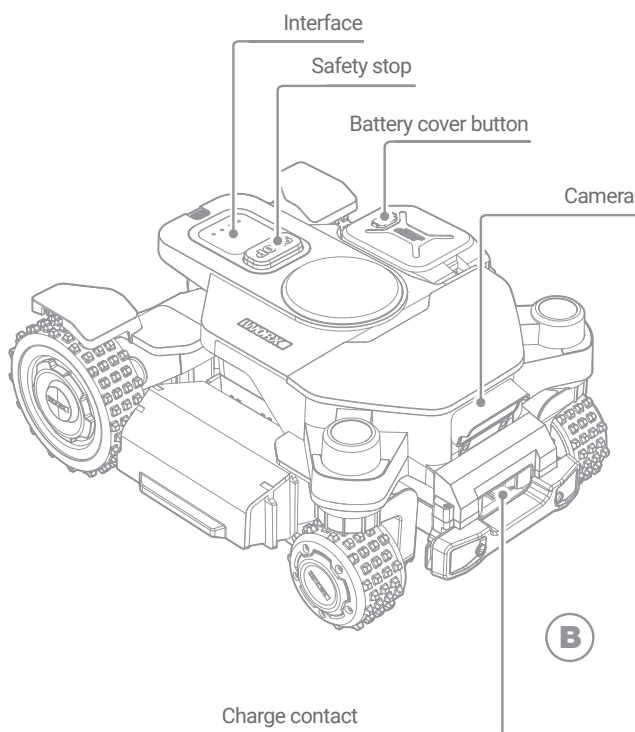
Icon	Type	Function Description	
		Charging Station	RadioLink
	Green	Solid: Charging function normal	Solid: Function normal
		Flashing: Charging in progress	/
	Red	Solid: Charging fault	/
		Flashing: Battery polarity short-circuit fault	/
	Off	No power supply.	

Icon	Indicator Light Combination		Function description
	Charging Station	RadioLink	
	Green	Blue	It's working normally.
	Blue	Green	It's working normally.
	Blue	Blue	It's working abnormally. Please check the Wi-Fi signal at the locations of the charging station and Radiolink.

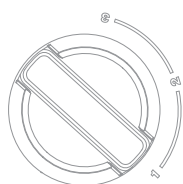
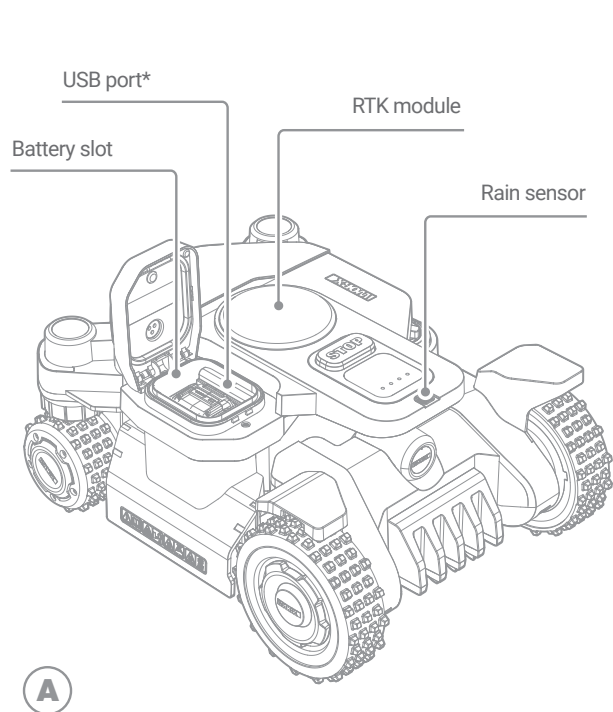
GETTING TO KNOW THE MOWER (WR340E & WR341E & WR342E)



*USB port: Used for exporting log files and performing manual firmware upgrades.

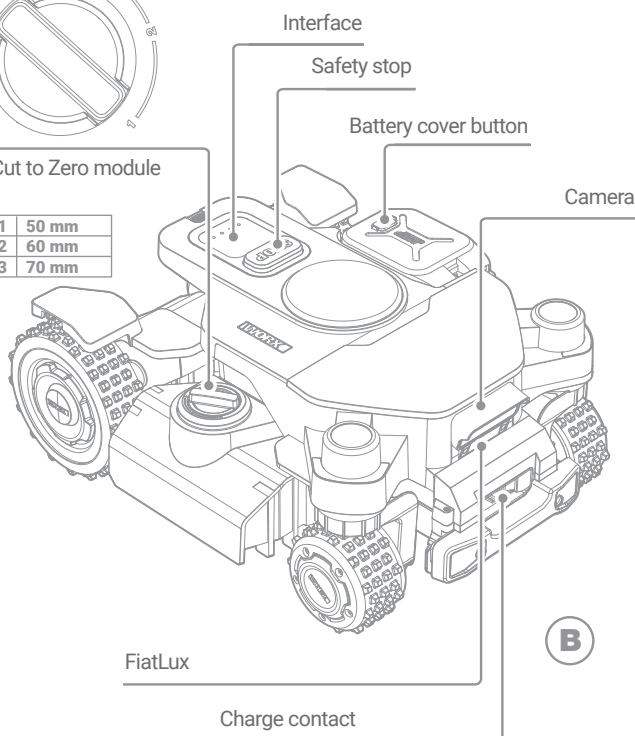


GETTING TO KNOW THE MOWER (WR344E)



Cut to Zero module

1	50 mm
2	60 mm
3	70 mm



*USB port: Used for exporting log files and performing manual firmware upgrades.

The picture is only for reference

TECHNICAL DATA

Type **WR340E WR341E WR342E WR344E (200-399 - designation of machinery, representative of Robotic lawn mower with Vision technology)**

	WR340E	WR341E	WR342E	WR344E
Rated voltage	20V  Max.*			
No load speed (/min)	2600 /min	2400 /min		
Cutting area (m²)	600 m²	1000 m²	2000 m²	4000 m²
Cutting diameter (cm)	20 cm	22 cm		
Cutting height (mm)	20-30-40-50-60-70 mm			
Cutting system	3 blades			
Cut to Zero	N			Y
Cutting height of the Cut to Zero	/			1—2—3 50—60—70 mm
Cut to Zero width	/			110 mm
Camera	Stereo			
Slope (%)	84% (40°)**			
Battery type	Lithium-ion			
Battery Capacity (Ah)	4 Ah		5 Ah	
Battery model	WA3644		WA3645	
Charging time approx. (mins.)	80mins.		100 mins.	60mins.
Charger model	WA3775 / WA3776			WA3796 / WA3798
Charger rating	Input:100-240 V~50/60 Hz, 90W, Output: 20 V  , 3.0 A			Input:100-240 V~50/60 Hz, 190W, Output: 28 V  , 5.0 A
Machinery weight (kg)	16.8 kg	16.9 kg		18 kg
Protection degree	III			
App (Wi-Fi/Bluetooth)	Y			
Frequency bands for Bluetooth (MHz)	2400-2483.5 MHz			
Maximum Transmitted Power for Bluetooth (dBm)	8 dBm			
Frequency bands for Wi-Fi (MHz)	2400-2483.5 MHz			
Maximum Transmitted Power for Wi-Fi (dBm)	20 dBm			
Waterproof level	IPX 6			

*Voltage is measured under no-load condition. The initial maximum battery voltage can reach 20 volts, while the nominal voltage is 18 volts.

**If the mower is equipped with the Cut to Zero module, it is not recommended to operate the mower on slopes greater than 15°.

TECHNICAL DATA FOR 4G (WR344E)

Band	Tx(Mhz)	Rx(Mhz)	RF Output Power (Max)
GSM900(B8)	880-915	925-960	33dBm
DCS1800(B3)	1710-1785	1805-1880	30dBm
WCDMA B1	1920-1980	2110-2170	24dBm
WCDMA B8	880-915	925-960	24dBm
WCDMA Band V	824-849	869-894	24dBm
LTE-FDD B1	1920-1980	2110-2170	23dBm
LTE-FDD B3	1710-1785	1805-1880	23dBm
LTE-FDD B7	2500-2570	2620-2690	23dBm
LTE-FDD B8	880-915	925-960	23dBm
LTE-FDD B20	832-862	791-821	23dBm
LTE-FDD B28	703-748	758-803	23dBm
LTE-TDD B38	2570-2620	2570-2620	23dBm
LTE-TDD B40	2300-2400	2300-2400	23dBm
LTE Band 3	1710-1785	1805-1880	23dBm
LTE Band 41	2535-2675	2535-2675	23dBm

ACCESSORIES

	WR340E WR341E	WR342E	WR344E
Screw	8	8	8
Charging tower	1	1	1
Charging base plate	1	1	1
Hex key	1	1	1
Blade	6	6	8
Cut to Zero module	/	/	1
FiatLux	/	/	1
RadioLink	/	1	/
Battery pack (WA3644)	1	/	/
Battery pack (WA3645)	/	1	1
Charger (WA3775 / WA3776)	1	1	/
Charger (WA3796 / WA3798)	/	/	1

We recommend that you purchase genuine accessories listed in the above list from the same store where you purchased the tool. Refer to the accessory packaging for further details. Store personnel can assist you and offer advice.

TECHNICAL DATA FOR 4G-GNSS

Global Navigation Satellite System (GNSS)	GPS / GLONASS / BDS / Galileo / SBAS
Nominal Frequency	1559-1610 MHz 1215-1300 MHz 1164-1215 MHz

NOISE DATA

	WR340E WR341E WR342E WR344E
A weighted sound pressure	$L_{pA} = XX \text{ dB(A)}$
	$K_{pA} = XX \text{ dB(A)}$
A weighted sound power	$L_{wA} = XX \text{ dB(A)}$
	$K_{wA} = XX \text{ dB(A)}$
Wear ear protection when sound pressure is over 80 dB (A).	

A degree of noise from the machine is not avoidable. Route noisy work is to be licensed and limits for certain periods. Keep rest periods and they may need to restrict the working hours to a minimum. For their personal protection and protection of people working nearby, an appropriate hearing protection shall be worn.

INTENDED USE

The garden product is intended for domestic lawn mowing. It is designed to mow often, maintaining a healthier and better looking lawn than ever before. Depending on the size of your lawn, your mower may be programmed to operate at any time or frequency. It is not intended for digging, sweeping or snow clearing.

MAINTENANCE

Your mower works hard and needs to be cleaned and checked from time to time. This section of our guide helps you keep your mower in good shape so it can last for years without trouble. Here's how to take care of your mower. Switch off the mower before carrying out any service or maintenance.

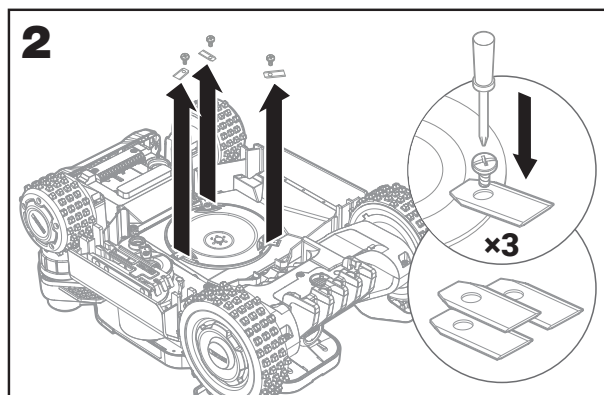
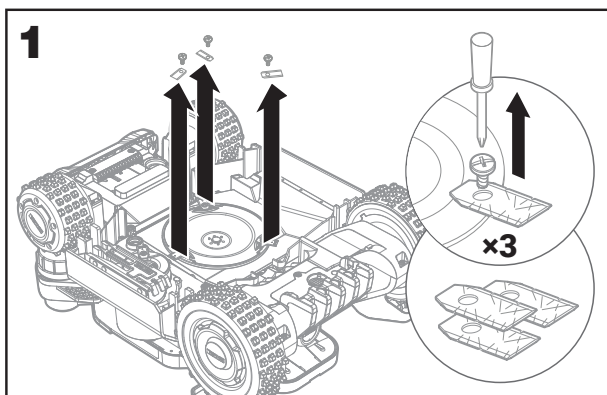
1. Keep it sharp

⚠ WARNING! Before cleaning, adjusting, or replacing the blades, turn your mower OFF and remove the battery. Always wear protective gloves.

Replacing the Blades (See Fig. 1 - 2)

Remove the battery and gently flip the mower over. Take the screws off the blades with a screwdriver. Firmly screw on the new blades.

Caution: If the Cut to Zero blade assembly needs to be replaced, follow the same replacement procedure as for the main unit blade. If you need to replace the blade located on the inner side near the protective cover, simply rotate the blade disc to turn the inner blade outward for removal. Always wear protective gloves and take appropriate safety precautions to avoid injury.



⚠ Attention: When fitting new blades, make sure you replace ALL the blades.

Always use new screws when fitting blades. This is important to ensure blade retention and balance the blade turning disc. Failure to use new screws could cause serious injury.

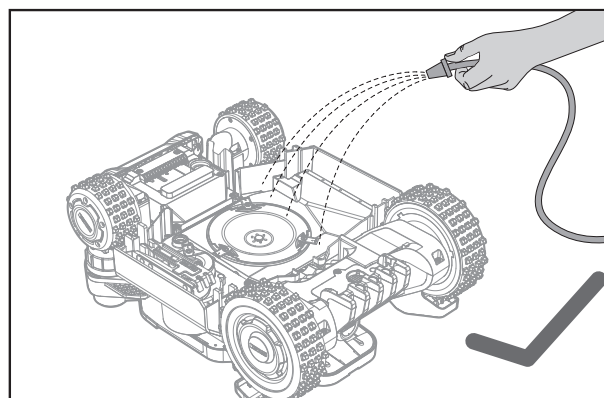
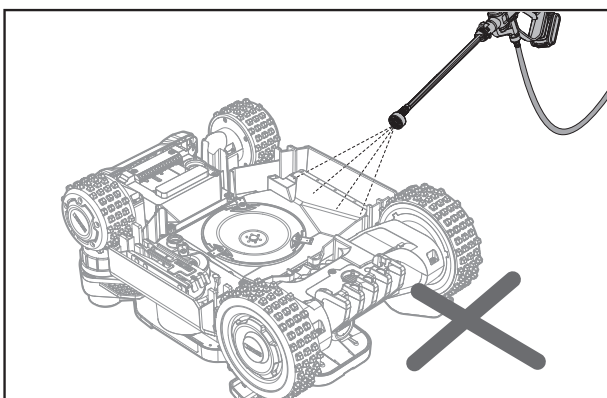
Important: After screwing the blade to the blade disc, make sure the blade is able to spin freely.

2. Keep it clean

Your mower should be cleaned regularly. This helps keep it in good condition, especially removing dirt, debris and the build-up of grass clippings from daily mowing. Turn your mower off before cleaning it. For extra safety, remove the battery.

⚠ Attention: Make sure the battery pack cover is closed when washing your mower.

⚠ WARNING! YOUR MOWER can only be washed by using a hose! DO NOT use high pressure washer on your mower. High pressure water can go inside the sealings and damage electronic and mechanical parts.



3. Keep it charged

The heart of the mower is its 20V Li-Ion Worx PowerShare Battery.

A. For the proper storage of the battery, make sure it is fully charged and kept in a cool dry place.

B. The recommended mower operation temperature is between 0-55°C.

C. The life-span of the mower's battery depends on hours of usage and the length of use per day during the mowing season.

4. Keep it updated

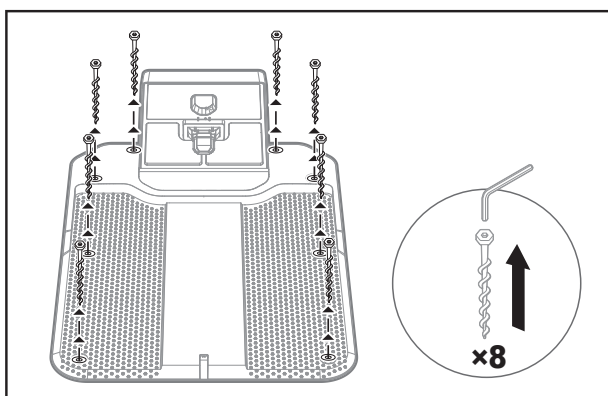
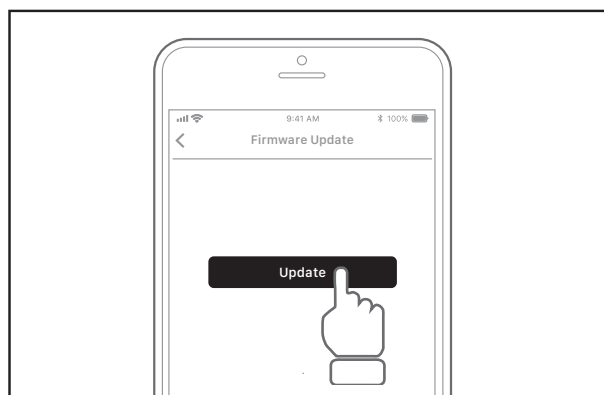
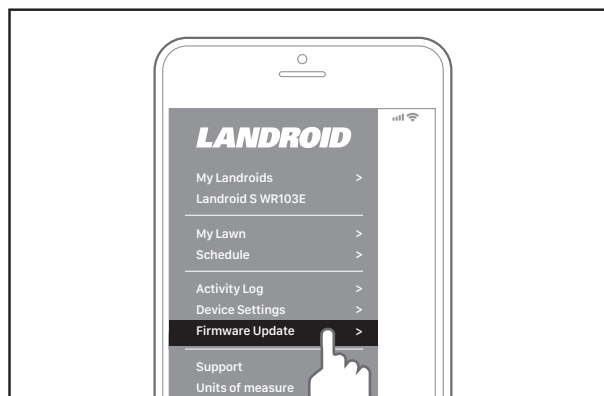
The mower is always improving and new firmware versions are available for free. Always keep the mower's firmware up to date to make the most of your mower.

4.1 Check the current firmware version of the mower in the app:

- Tap the sidebar icon in the top left corner.
- Select "Firmware Update."
- The screen will display "Current Version." The small grey text below indicates the firmware version currently installed.

4.2 Update the mower's firmware via the app:

- Tap the sidebar icon in the top left corner.
- Select "Firmware Update."
- Tap "Update." The app will send a firmware update request. If the mower is properly connected to Wi-Fi, the update will start. Please wait patiently until the process is complete.



ERROR MESSAGES

Sometimes things can go wrong. Fortunately, the mower is smart enough to tell you if it encounters an issue, so you can fix it. If in doubt, please visit our website where you will find useful videos and further support.

MESSAGE	CAUSE	ACTION
-EE-	Error unknown	Please restart the mower.
-F01-	Rain delay	The mower is in rain delay state.
-F02-	Low battery	The mower is low on power.
-E01-	Out of working area	Take the mower back to the charging station to charge, then restart it.
-E02-	Wheels motor fault	Turn off the mower, flip the mower over, and check for anything blocking the wheels; if found, please remove it.
-E03-	Blade motor fault	Turn off the mower and flip it over. Put on safety gloves to avoid injury and check whether anything is blocking the blade disc. If so, please remove it.
-E05-	Mower Lifted	Place the mower on level ground, press START then press OK to resume normal operation.
-E06-	Mower upside down	
-E07-	Battery charge error	Battery temperature too low: When the outside temperature is below 0 °C, operation is not suitable and the mower will stop charging. Please store the mower indoors. Power supply is broken: please contact Customer Services.
-E08-	The mower cannot find charging station	The charging station is not installed in an appropriate location—it may be surrounded by obstacles or placed on uneven ground. Please check the installation site.

MESSAGE	CAUSE	ACTION
-E09-	Map not detected	Please check whether a map has been created for this area. If not, create a map in the app and make sure to click "Save" to complete the process.
-E11-	Battery temperature is out of range	The battery temperature is too high. When the temperature is lowered to 55°C, the mower will return to normal work.
-E12-	Camera is covered	Please clean the cover on the camera. Verify whether the mower's decorative cover is lifted; if so, reinstall it properly.
-E14-	Insufficient light	In the schedule, set the mower to return to the charging station before dusk, or purchase an FiatLux light from a store.
-E16-	The mower failed to transfer between zones.	Check whether there are any obstacles in the passage and remove them if present. If the problem persists, recreate the passage in the map.

NOTES

A. Before turning power on, always check the mower is inside its working area.

B. If for any reason—i.e. a party, children playing...—you want to park your mower in the charging station: press  then . The mower will go to its station and stay there. Please note that the mower will now wait until the next scheduled mowing session. If you want to re-start it at anytime, press  then  to start your mower.

C. If an error repeatedly occurs in the same area of your lawn, you might have a problem with the working area so please refer to the installation instructions and check your set up is correct with its help.

D. If your lawn is divided in two separated areas, connected by a corridor less than 1m wide, one of which is not provided with the charging station: when the mower runs out of charge, take it manually to the charging station.

E. If the mower runs abnormally once in a while, please reset it by turning it off and removing the battery for 30 seconds, then restart it. If the problem cannot be solved, please contact our Customer Service for help.



TROUBLESHOOTING

If your mower does not work correctly, follow the troubleshooting guide below. Scan the QR code for more troubleshooting.

SYMPTOM	CAUSE	SOLUTION
The mower can not find the charging station.	There are obstacles in front of the charging station.	Please remove the obstacles within the 2 m in front of the charging station.
	The QR code is sheltered.	Make sure the QR code is clear and that there is nothing directly on it or above it.
	The charging station has been installed in a shaded area.	Please relocate the charging station to a place without tall walls or trees on either side that may cause shade.
The secondary area is not mowed.	Incorrectly mapping	Please delete and remap the passage.
	There are obstacles in the passage.	Remove the obstacles.
The mower is not operating at the correct time.	The clock is not set to the correct time.	Keep the mower connected to Wi-Fi, then reset the working schedule.
	The previous mowing task was not completed.	The mower will continue the unfinished task.
The mower shuts off when docking in the charging pile.	The mower fails to charge due to over temperature protection and is powered off.	Place the charging station in a shady area or wait until the temperature has cooled down.
	Poor connection.	Check the LED light on the charging pile. Check the connection between the contact pins located on the charging pile and the charging strip.
The mower fails to connect to the internet.	Please check your router has the correct settings.	Make sure your router is 2.4GHz. If your router has two settings, please enable the 2.4GHz band. Make sure your router is set to 802.11 mode and wireless setting is b/g/n mixed. Make sure your router has the SSID Broadcast function enabled when you connect the mower with the app. You can close it after you connect successfully. Make sure DHCP function is enabled. If you changed your Wi-Fi network, you need to connect the mower to the new network.
	Please check whether the router is disconnected or Wi-Fi SSID is changed.	Make sure the router is connected and Wi-Fi SSID is correct.

SYMPTOM	CAUSE	SOLUTION
The firmware upgrade fails.	The Wi-Fi signal is weak.	Move closer to the router to strengthen the signal.
	The battery level is less than 50%.	Place the mower on the charging station or ensure that the battery level is above 50%.
When the mower is equipped with the Cut to Zero module, its housing may often get stuck on raised obstacles.	The selected Cut to Zero cutting height is too low.	Check the Cut to Zero height setting and adjust it one level higher.

Environmental protection

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.

For battery tools:

Details regarding safe disposal of used batteries

At the end of the life of the appliance, remove the battery pack safely before disposing of the appliance. Do not throw batteries away or throw them in the normal trash can. Also do not dispose of the battery with the machine. Remove the used battery pack from the appliance and dispose of it at the nearest or convenient dedicated recycling facility. If in doubt, consult your local environmental protection department. Batteries may enter water cycle if disposed improperly, which can be hazardous for ecosystem. Do not dispose of waste batteries as unsorted municipal waste.

We, Positec Technology (China) Co., Ltd, hereby declare, that the below product(s) covered in this document are in conformance with the applicable security requirements in Schedule 1 of The Product Security and Telecommunications Infrastructure (Security Requirements for Relevant Connectable Products) Regulations 2023 ("**Security Requirements**")

Please note that this statement of compliance, including the Defined Support Period stated herein, is only applicable to products sold in the UK.

Positec Technology (China) Co., Ltd welcomes input on potential firmware vulnerabilities so that we can take appropriate steps to maintain the security of our products and systems. Information on how to report security questions, issues or possible incidents to the Product Security Team can be found here:

Link: <https://security.positecgroup.com>

Network Interface Description

The following network interfaces are enabled by default when the device is powered on:

• Bluetooth

Enables pairing and binding between the device and the mobile app. Supports Wi-Fi configuration via the app. During the mapping process, Bluetooth also allows for device control and management.

• Wi-Fi

Connects the device to the home wireless network for data communication with the cloud server. Supports remote monitoring, control, and parameter configuration via the app. Also enables OTA (Over-The-Air) firmware updates to ensure timely firmware optimization.

• 4G Cellular Network

Provides connectivity to the cloud server in the absence of Wi-Fi, ensuring continuous communication between the device and the app for remote interaction, data synchronization, and control.

• RadioLink

Connects to the compatible charging station to receive high-precision RTK positioning data. Enables centimeter-level positioning accuracy, enhancing navigation stability and operational precision.

DECLARATION OF CONFORMITY

We,
Positec Germany GmbH
Postfach 680194, 50704 Cologne, Germany

On behalf of Positec declare that the product
Description **Robotic Lawnmower**
Type **WR340E; WR341E; WR342E; WR344E (200-399 - designation of machinery, representative of Robotic lawn mower with Vision technology) (Serial number is placed on the back page) with battery charger WA3775 / WA3776 / WA3796 / WA3798 and charging station WA0517**
Function **Cutting grass**
Serial number **It can be found on marking label**

Complies with the following Directives,
2006/42/EC, 2014/30/EU, 2014/35/EU, 2011/65/EU&(EU)2015/863, 2000/14/EC amended by 2005/88/EC, 2014/53/EU amended by (EU) 2022/30

2000/14/EC amended by 2005/88/EC
- Conformity Assessment Procedure as per **Annex V**
- Measured Sound Power Level **XX dB (A)**
- Declared Guaranteed Sound Power Level **XX dB (A)**

Standards conform to,
For Lawn mower: EN 50636-2-107:2015+A1:2018+A2:2020+A3:2021, EN 60335-1:2012+A11:2014+A13:2017+A1:2019+A2:2019+A14:2019+A15:2021+A16:2023, EN IEC 62311:2020, EN IEC 55014-1:2021, EN IEC 55014-2:2021, EN IEC 61000-3-2:2019+A1:2021+A2:2024, EN 61000-3-3:2013+A1:2019+A2:2021+AC:2022, EN 18031-1:2024, EN 18031-2:2024
For Bluetooth & Wi-Fi module (2.4G): EN 301 489-1 V2.2.3, EN 301 489-17 V3.3.1, EN 300 328 V2.2.2
For GPS module: EN 301 489-1 V2.2.3, EN 301 489-19 V2.2.1, EN 301 489-52 V1.3.1, EN 301 511 V12.5.1, EN 301 908-1 V15.2.1, EN 301 908-13 V13.2.1, EN 303 413 V1.2.1, EN 301 908-2 V13.1.1, EN 50665:2017
For charger: EN IEC 55014-1:2021, EN IEC 55014-2:2021, EN IEC 61000-3-2:2019+A1:2021+A2:2024, EN 61000-3-3:2013+A1:2019+A2:2021, EN IEC 60335-2-29:2021+A1:2021+A11:2024, EN 60335-1:2012+A11:2014+A13:2017+A1:2019+A2:2019+A14:2019+A15:2021+A16:2023, EN 62233:2008
For Noise: EN ISO 3744:2010
For RoHS: EN IEC 63000:2018

The person authorized to compile the technical file,
Name Marcel Filz
Address Positec Germany GmbH
Postfach 680194, 50704 Cologne, Germany

2025/11/27
Allen Ding
Deputy Chief Engineer, Testing & Certification
authorized to issue the declaration of conformity
on behalf of the manufacturer
Positec Technology (China) Co., Ltd
18, Dongwang Road, Suzhou Industrial
Park, Jiangsu 215123, P. R. China

DECLARATION OF CONFORMITY

We,
Positec Germany GmbH
Postfach 680194, 50704 Cologne, Germany

On behalf of Positec declare that the product
Description **Battery pack**
Type **WA3644; WA3645**
Function **Provide energy for power tools, garden tools and similar products**
Serial number **It can be found on marking label**

Complies with the following Regulation and Directives,
(EU) 2023/1542, 2011/65/EU & (EU) 2015/863

Standards conform to,
EN 62133-2:2017, EN 62133-2:2017/A1:2021
EN IEC 63000:2018

The person authorized to compile the technical file,
Name Marcel Filz
Address Positec Germany GmbH
Postfach 680194, 50704 Cologne, Germany

2025/11/27
Allen Ding
Deputy Chief Engineer, Testing & Certification
authorized to issue the declaration of conformity
on behalf of the manufacturer
Positec Technology (China) Co., Ltd
18, Dongwang Road, Suzhou Industrial
Park, Jiangsu 215123, P. R. China

DECLARATION OF CONFORMITY

We,
Positec (UK & Ireland) Ltd
PO BOX 6242, Newbury, RG14 9LT, UK

On behalf of Positec declare that the product

Description **Robotic Lawnmower**

Type **WR340E; WR341E; WR342E; WR344E (200-399 - designation of machinery, representative of Robotic lawn mower with Vision technology) (Serial number is placed on the back page) with battery charger WA3775 / WA3776 / WA3796 / WA3798 and charging station WA0517**

Function **Cutting grass**

Serial number **It can be found on marking label**

Complies with the following Regulations:

Supply of Machinery (Safety) Regulations 2008

Radio Equipment Regulations 2017

Electrical Equipment (Safety) Regulations 2016

Electromagnetic Compatibility Regulations 2016

The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations

Noise Emission in the Environment by Equipment for Use Outdoors Regulations

- Conformity Assessment Procedure as per **SCHEDULE 8**
- Measured Sound Power Level **XX dB (A)**
- Declared Guaranteed Sound Power Level **XX dB (A)**

Standards conform to,

For Lawn mower: BS EN 50636-2-107:2015+A1:2018+A2:2020 +A3:2021, BS EN 60335-1:2012+A11:2014+A13:2017+A1:2019+A2:2019+A14:2019+A15:2021+A16:2023, BS EN IEC 62311:2020, BS EN IEC 55014-1:2021, BS EN IEC 55014-2:2021, BS EN IEC 61000-3-2:2019+A1:2021+A2:2024, BS EN 61000-3-3:2013+A1:2019+A2:2021+AC:2022, BS EN 18031-1:2024, BS EN 18031-2:2024

For Bluetooth & Wi-Fi module (2.4G): BS EN 301 489-1 V2.2.3, BS EN 301 489-17 V3.3.1, BS EN 300 328 V2.2.2

For 4G+GPS module: BS EN 301 489-1 V2.2.3, BS EN 301 489-19 V2.2.1, BS EN 301 489-52 V1.3.1, BS EN 301 511 V12.5.1, BS EN 301 908-1 V15.2.1, BS EN 301 908-13 V13.2.1, BS EN 303 413 V1.2.1, BS EN 301 908-2 V13.1.1, BS EN 50665:2017

For charger: BS EN IEC 55014-1:2021, BS EN IEC 55014-2:2021, BS EN 61000-3-2:2019+A1:2021+A2:2024,

BS EN 61000-3-3:2013+A1:2019+A2:2021, BS EN IEC 60335-2-29:2021+A1:2021+A11:2024, BS EN 60335-1:2012+A11:2014+A13:2017+A1:2019+A2:2019+A14:2019+A15:2021

+A16:2023, BS EN 62233:2008

For Noise: BS EN ISO 3744:2010

For RoHS: BS EN IEC 63000:2018

The person authorized to compile the technical file,

Name **Jim Kirkwood**

Address **Positec (UK & Ireland) Ltd**

PO BOX 6242, Newbury, RG14 9LT, UK

2025/11/27

Allen Ding

Deputy Chief Engineer, Testing & Certification

authorized to issue the declaration of conformity on behalf of the manufacturer

Positec Technology (China) Co., Ltd

18, Dongwang Road, Suzhou Industrial

Park, Jiangsu 215123, P. R. China

DECLARATION OF CONFORMITY

We,
Positec (UK & Ireland) Ltd
PO BOX 6242, Newbury, RG14 9LT, UK

On behalf of Positec declare that the product

Description **Battery pack**

Type **WA3644; WA3645**

Function **Provide energy for power tools, garden tools and similar products**

Serial number **It can be found on marking label**

Complies with the following Regulations,

The Batteries and Accumulators (Placing on the Market)

Regulations 2008 (as amended) and the Waste

Batteries and Accumulators Regulations 2009 (as amended)

The Restriction of the Use of Certain Hazardous Substances in

Electrical and Electronic Equipment Regulations 2012

Standards conform to,

BS EN 62133-2:2017, BS EN 62133-2:2017/A1:2021

BS EN IEC 63000:2018

The person authorized to compile the technical file,

Name **Jim Kirkwood**

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2025/11/27

Allen Ding

Deputy Chief Engineer, Testing & Certification

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