

Self-propel mowing with smart assist:

- Follow above steps: 1, 2, 3, 4, 7, 8. (See MANUAL MODE START/STOP section)

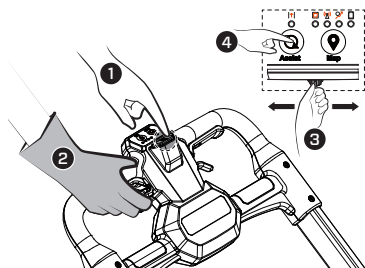


Fig. 16



NOTE:

The function provides straight-line assist only when the mower works parallel to the first calculated mowing direction.



NOTE:

Assist only works with blade running.
Self-propel disengages when assist is on.

AUTO-TURN 180° FUNCTION

This function allows the mower to automatically turn 180° in ASSIST MODE. The mower can turn left or right 180° effortlessly by double-squeezing the corresponding self-propel trigger.

- Double-squeeze the left self-propel trigger
→ Mower turns 180° to the left.
- Double-squeeze the right self-propel trigger
→ Mower turns 180° to the right.

AUTO MODE START/STOP

Prepare the Lawn



WARNING!

Before operating the robotic mower, always prepare the work area to ensure safe and efficient mowing.



WARNING!

During automatic operation, keep children, pets, and bystanders away from the mowing area. Keep a safe distance from the mower at

all times.

- Personnel & Pets
 - Keep children, bystanders, and pets away from the mowing area while the mower is running.
 - Do not allow anyone to sit, stand, or play on or near the appliance.
- Clear Debris
 - Remove all foreign objects from the lawn, such as stones, loose branches, wire, cables, tools, animal waste, and toys.
 - These items can be thrown by the blades, damage the cutting system, or block the wheels.
- Grass Height
 - Before first use, cut the grass to 100 mm or less using Manual Mode.
 - If grass is taller than 100 mm, do not use the robotic mower. Tall grass may wrap around the blade disc and cause the machine to stop.
- Surface Defects
 - Fill holes, ruts, or uneven spots that could stop the mower or cause it to tilt.
- NO-GO Zones
 - Create NO-GO zones to isolate the following areas from the working area:
 - Water bodies – ponds, streams, pools, puddles
 - Flower beds & vegetable gardens
 - Gravel paths, mulch, rockeries
 - Trees with exposed roots (if roots are high enough to hit the mower)
 - Drop-offs – terrace edges, steep slopes, retaining walls



WARNING!

Failure to isolate these areas may damage the mower or cause serious injury.

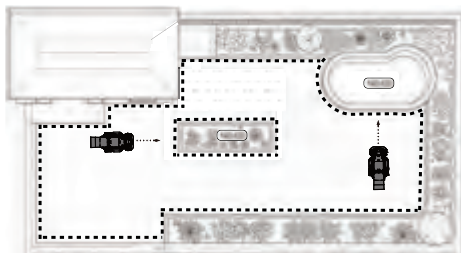


Fig. 17

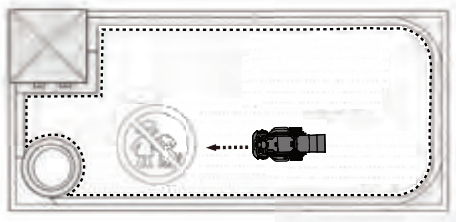


Fig. 18



NOTE:

Refer to “LIGHT INDICATORS DESCRIPTION” for more light details.



NOTE:

During mapping and no-go zones setup, if you are not satisfied with the current route, press and hold the “Map” button to cancel it, then press “Map” again to restart.

If you are not satisfied with the map (including no-go zones) after creating it, delete it in the APP. See MAPS MANAGEMENT.

Start First Mapping(Perimeter mapping)

1. Download SENIX APP on your phone, log in and add mower refer to the supplied connectivity setup guide.
2. Press the “Map” button on the mower or via APP. The light “” flashes slowly, then rapidly.

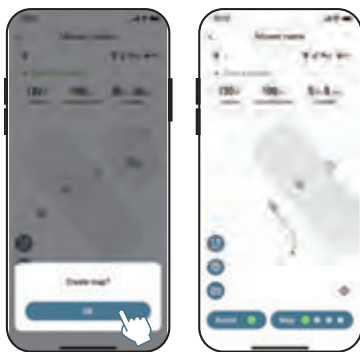


Fig. 19

3. Push the mower along the perimeter of the working zone to create a closed boundary. The mower should towards the same direction at both the start point and

end point. The lights “” “” turn solid and The light “” flashes slowly when mapping finished.

4. Press the “Map” button on the mower or “Obstacle” via APP to set the no-go zones. The light “” rapidly flashes indicating the mower is ready to set the no-go zone.



Fig. 20

5. Manually push the mower to set closed boundaries for no-go zones, such as obstacles, trees or low flower beds. After each no-go zone is created, the light “” changes from rapid flashing to slow flashing.
6. Long press the “Map” button to end the no-go zone setting. Now the four lights “” “” “” “” turn solid.
7. Now the mower is ready to start autonomous mowing work. To start, refer to “Start and Stop(Daily use)” for more details.



NOTE:

Check map completion through either the machine light or APP light indication.



NOTE:

The machine will automatically exit the mapping mode when the power is too low during the mapping process.



NOTE:

If the initial mapping fails, remap with above steps. Avoid mapping near dense trees, high

walls, metal fences, large metal objects, thick bushes and buildings, as these environments may interfere with signal reception.

NOTE:

Creating maps with the help of the APP can reduce the probability of map failures.

Maps Management

Long press and drag the mapped area to the delete icon to delete map.



Fig. 21

Start and Stop(Daily use):

- Button guide

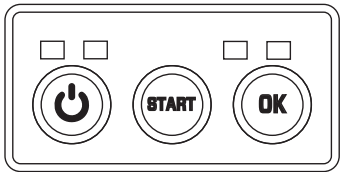


Fig. 22

POWER	Long press for 3 seconds to turn on/off.
START	Long press for 10 seconds to return to factory settings.
START, and then OK	Start autonomous mowing.

- Steps:

NOTE:

Refer to “LIGHT INDICATORS DESCRIPTION” for more light details.

To Start:

1. Ensure that the mower is in the mapped area.
2. Unfold the handle. Press the “START” button, then the “OK” button. The mower starts autonomous mowing work.

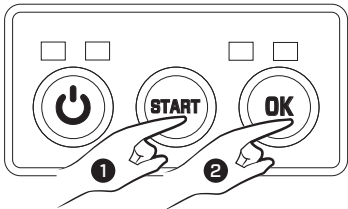


Fig. 23



Fig. 24

To Stop:

1. Press “STOP” button, then press and hold the “POWER” button to turn off the mower.

MOWING TIPS

NOTE:

A sharp blade will greatly enhance the performance of the mower, especially when cutting tall grass. Make sure to check the sharpness of the blade before mowing.

- For best results, do not mow in circles when manually working. Travel back and forth across the lawn.

- When cutting thick grass, reduce your walking speed in order to allow for a more effective cut and a proper discharge of the clippings.
- To maintain a healthy lawn, cut off only one-third or less of the total length of the grass.

MULCHING TIPS

- For effective mulching, do not cut wet grass; it tends to stick to the underside of the deck, preventing the proper mulching of grass clippings.
- The best time to mow grass is in the late afternoon, when the grass is dry and the newly cut area will not be exposed to direct sunlight.
- For the best mulching performance, set the cutting height to remove approximately one third of the grass blade length, ideally no more than 38.1 mm at one time.
- If the grass is overgrown, it may be necessary to increase the cut height to make it easier to mow and to prevent overloading the motor.
- Slow your cutting pace in tall or thick grass conditions.

MAINTENANCE

WARNING!

Before maintenance, clean, storage, and transportation, switch off the mower, remove the battery and wait until all moving parts have completely stopped.

WARNING!

Only perform cleaning and maintenance work according to these instructions! Wear protective gloves when doing all the maintenance work! All further works must be performed by a qualified specialist!

WARNING!

Use only specified spare parts for replacement. Use of any other parts may create a hazard or cause product damage.

REPLACE THE BLADE

WARNING!

When tilting the mower for blade replacement,

support the unit securely against a stable object. Failure to properly support the mower could result in serious personal injury.

To Remove:

1. Turn the mower on its side against a stable object to expose the underside of the blade housing.
2. Wedge a block of wood between the blade and mower deck to prevent the blade from turning.
3. Turn the blade bolt counterclockwise remove it with a wrench.
4. Remove the washer and the blade in turn. If the retaining bracket is worn or damaged, replace the bracket with a new one.

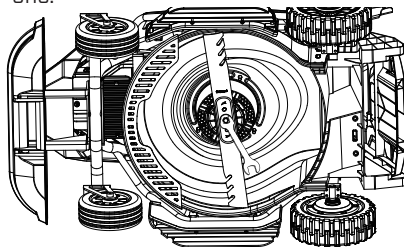


Fig. 25

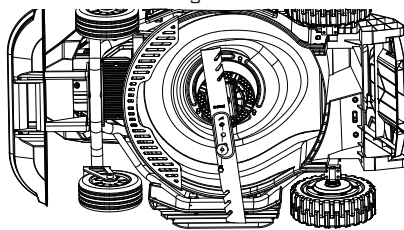


Fig. 26

To Install:

1. Replace the old blade with a new one and install it on the retaining bracket. Use the wood to prevent the blade from turning.
2. Install the washer and the bolt. Tighten the bolt clockwise to secure the blade.

CLEANING

- Clean the bag after each use. Allow the bag to dry before putting it away.
- Always keep the tool clean and free of grass, dirt, or other debris.
- Keep the handles dry, clean, and free of oil and grease.
- Use a small brush to clean the outside of the product. Wipe off any moisture with a soft cloth.

STORAGE

- Clean the tool as described above.
- Fold the handles for store the mower.
- Store the mower in flat or upright position.
- Hook the grass bag on the grass bag holder.

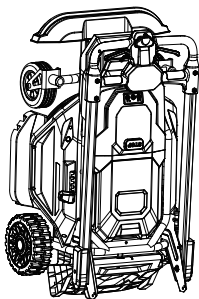


Fig. 27

- Inspect the cutting unit and replace it if required.
- Do not store the mower next to corrosive materials, such as fertilizer or rock salt.
- Store the tool in a covered and enclosed space that is cool and dry and out of the reach of pets and children.
- Do not cover the tool with a solid plastic sheet. Plastic coverings trap moisture around the tool, which causes rust and corrosion.

TRANSPORTATION

- Clean the product as described above.
- Always carry the product by its transport handle.
- Protect the product from any heavy impact or strong vibrations which may occur during transportation in vehicles.
- Secure the product to prevent it from slipping or falling over, damage or injury.

DISPOSAL

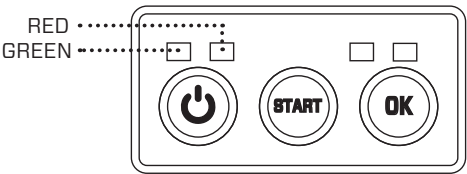
Unwanted product should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice. Users should clean up cut grass generated during operation to protect environment.



Electrical products should not be discarded with household products. Used electrical products must be collected separately and disposed of at collection points provided for this purpose. Talk with your local authorities or dealer for advice on recycling.

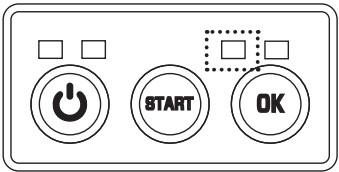
LIGHT INDICATORS DESCRIPTION

Mower Status Lights



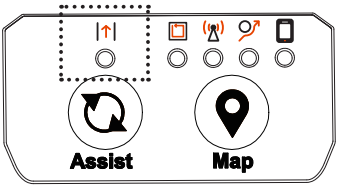
GREEN	RED	STATUS
Off	Off	Powered off
Slow flashing	Off	Powering on
Solid on	Off	System normal/ Standby mode
/	Solid on	System malfunction
Solid on	Slow flashing	Low battery
Slow flashing	/	Powering off

Auto-mowing Status Lights



/	STATUS
Off	Auto-mowing conditions not met
Slow flashing	Auto-mowing conditions met
Solid on	Autonomous mowing started

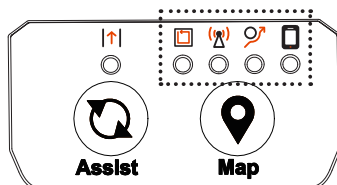
Straight Drive Status Light



/	STATUS
Off	Assistance conditions not met
Slow flashing	Assistance conditions met
Solid on	Assist activated
Slow flashing/ Off	Assist deactivated

LIGHT INDICATORS DESCRIPTION

MAPPING AND AUTOMATIC MOWING indicator lights



OPERATION					STATUS
Mapping	Off	Off	Off	Off	Mapping conditions not met
	Slow flash	Off	Off	Off	Mapping conditions met
	Fast flash	Off	Off	Off	Mapping started
	Solid on	Solid on	Slow flash	Off	Mapping finished
	Non-permanent on	Off	Off	Off	Mapping failed
No-go zone setting	Solid on	Solid on	Fast flash	Off	No-go zone 1 setting started
	Solid on	Solid on	Slow flash	Off	No-go zone 1 setting finished
	Solid on	Solid on	Fast flash	Off	No-go zone 2 setting started
	Solid on	Solid on	Slow flash	Off	No-go zone 2 setting finished
	Solid on	Solid on	Solid on	Non-permanent on	No-go zone /Mapping setting finished
	Solid on	Solid on	Solid on	Slow flash	Map upload
Autonomous mowing	Solid on	Solid on	Solid on	Solid on	Autonomous mowing conditions met
	Solid on	Solid on	Solid on	Solid on	Autonomous mowing started
	Solid on	Solid on	Solid on	Solid on	Pause
	Solid on	Solid on	Solid on	Non-permanent on	Autonomous mowing finished
	Solid on	Solid on	Solid on	Non-permanent on	Autonomous mowing exited abnormally

During mapping and no-go zones setup, short presses of the “Map” button are ineffective. If you wish to cancel the current process, press and hold the “Map” button to abort it, then press the “Map” button again to restart setup.

TROUBLESHOOTING

Suspected malfunctions are often due to causes that the users can fix themselves. Therefore, check the product using this section. In most cases the problem can be solved quickly.

- MANUAL MODE

PROBLEM	POSSIBLE CAUSE	SOLUTION
The mower fails to start.	The battery pack is depleted.	Charge the battery pack.
	The battery pack is incorrectly installed.	Reattach the battery pack to the mower; press it until you hear a click.
	The battery pack or mower circuitry is too hot.	Allow the battery pack or mower to cool down.
	The mower deck is clogged with grass and debris.	Clean the mower deck and make certain that the blade has freedom of movement.
The mower cuts unevenly.	The blade is dull.	Sharpen or replace the blade.
	The grass-cutting height is not set properly.	Move the deck height to a higher setting.
	The blade is incorrectly assembled.	Clean the mower deck and make sure that the blade can spin correctly.
Unsatisfactory result	Damaged or worn blade.	Replace the blade.
Short running time of the mower with included battery.	Grass conditions and cutting height setting will greatly affect the battery run time. The claimed run time is based on specific load conditions.	Deactivate the all smart assist functions. Raise the blade height and slow your pace to reduce the cutting load.
The mower does not mulch properly	Wet grass clippings are sticking to the underside of the deck.	Wait until the grass dries before mowing.
	The mower is set to cut too much grass at once.	Raise the deck to a higher cutting-height setting.
The mower stops while mowing.	The battery pack is depleted.	Charge the battery pack.
	Mower is in overload condition.	Raise the cutting height or slow down the mowing.
	Mower deck is clogged with grass and debris.	Unclog the mower deck. Raise the cutting height and/or cut a narrower swath.
	The battery pack or mower circuitry is too hot.	Allow the battery pack or mower to cool down.

Excessive vibration	The cutting blade is loose.	Tighten the blade bolt.
	The cutting blade set is unbalanced.	Balance the blade set.
	The cutting blade is bent.	Replace the blade.
	The motor shaft is bent.	Contact the service center.
	The mower is set to cut too much grass at once.	Raise the deck to a higher cutting-height setting.
Mower is difficult to pull back when the self-propel is turned off.	The wheels are temporarily locked.	Pull backward with force and then move the mower as desired.

- AUTO MODE

PROBLEM	POSSIBLE CAUSE	SOLUTION
Button feedback	Mower not ready	Please try again later. If still fails after 3 minutes, restart the mower. If the fault persists after restart, contact after-sales support.
	Upgrading	Please wait for the upgrade to complete.
	Powering off	Please wait for power off to complete.
	VCU autonomous mowing conditions not met	Please try again later. If still fails after 3 minutes, restart the mower. If the fault persists after restart, contact after-sales support.
	RTK not ready	Push the mower to an open outdoor area and wait for 2 minutes. If the fault persists, contact after-sales support.
	No map	Please create a map or move the mower back into the mapped area
	Mapping	/
	Mower not located in working area	Push the mower back into the mapped area.
	Not in assist mode	/
	Not in auto mode	/
	Not in map mode	/
	Mapping/No-go zones setup failed	1. Check the map shape. If the map is too narrow, the autonomous path can not be planned. 2. Push the mower to another location within the map and restart autonomous mowing. If the fault persists, contact after-sales support.
	GPS not ready	Push the mower straightly until GPS is ready. If still not ready after 2 minutes, contact after-sales support.

Button feedback	Handle unfolded	Fold the handle before starting automatic operation. If the fault persists, contact after-sales support.
	Grass bag not closed	Close the rear-discharge cover or install the grass bag before starting autonomous mowing. If the fault persists, contact after-sales support.
	Emergency stopping	/
	Battery pack communication abnormal	Replace the battery pack and restart the mower. If the fault persists, contact after-sales support.
	Working area limit exceeded	Remap the area. The working area must not exceed 0.988 acres (4000 m ²).
Ultrasonic feedback	Left/Right/Front left/Front right/ ultrasonic failure	Restart the mower. If the fault persists, contact after-sales support.
	Ultrasonic communication abnormal	
VCU mower anomaly	Cutting motor initialization error	Restart the mower. If the fault persists, contact after-sales support.
	Cutting switch not released	
	Cutting switch initialization error	
	Time service abnormal	Mower not connected to satellite. Push the mower to an open outdoor area and wait for 2 minutes. If the fault persists, contact after-sales support.
	PPS error	
	Left/Right driving motor error	Restart the mower. If the fault persists, contact after-sales support.
	Mowing motor error	
	Power supply abnormal	
	IMU abnormal	
	NCU communication	
VCU cannot autonomously operate	Communication abnormal	Restart the mower. If the fault persists, contact after-sales support.
	Time service abnormal	Push the mower straightly until GPS is ready. If still not ready after 2 minutes, contact after-sales support.
	INS abnormal	Restart the mower. If the fault persists, contact after-sales support.
	Motor error	
	Low battery	Replace the battery pack.
Battery fault	Battery battery pack over-discharge	
	Battery pack failure	
	Battery pack communication not ready	
	Battery pack low temperature during discharge	
	Battery pack high temperature during discharge	

Motors fault	Over-current	Restart the mower. If the fault persists, contact after-sales support.
	Hall sensor failure	
	Offset fault	
	Pulse over-current	
	Software fault	
	Mower blocked	1. Check if there is tangled material obstructing the drive wheels; if yes, clear it and restart the mower. 2. If no obstruction, restart the mower. If the fault persists, contact after-sales support.
	Startup fault	
	Voltage fault	Replace the battery pack and restart the mower. If the fault persists, contact after-sales support.
Abnormal exit from auto mode	Drive temperature fault	Turn off the mower and wait 5 minutes for the drive temperature to decrease, then restart. If the fault persists, contact after-sales support.
	Motor temperature fault	Turn off the mower and wait 5 minutes for the motor temperature to decrease, then restart. If the fault persists, contact after-sales support.
	Emergency stop	/
	Remote control disabled	
	Handle unfolded	
	VCU error	Restart the mower. If the fault persists, contact after-sales support.
	NCU communication abnormal	
External Sensor Detection	Low battery	Replace the battery pack. If the fault persists, contact after-sales support.
	Battery pack communication abnormal	
	Battery pack fault	
	Collision	/
	Emergency Stop	
	Obstacle Detected by Ultrasonic (4 directions)	

WARRANTY

SENIX TOOLS LIMITED WARRANTY

FOR TWO YEARS from the date of original purchase this product is warranted against defects in material or workmanship. **WITH PROOF OF ORIGINAL PURCHASE** a defective product will receive free repair. If the product cannot be repaired it will be replaced free of charge.

For details to obtain warranty coverage, visit senixtools.com, email senix.support@yatusa.com or call **1-800-261-3981**.

- This warranty does not cover repairs necessary due to product accident or abuse, or failure to operate or maintain the product according to all supplied instructions.
- This warranty does not cover an included battery pack or charger, which offer three-year, replacement-only coverage. See battery pack or charger instruction manuals for complete warranty details.
- This warranty does not cover expendable items that can wear out from normal use within the warranty period, including but not limited to drill bits, cutting blades and trimmer spool or line.
- This warranty does not apply to damage resulting from repairs to the product made or attempted by other than SENIX authorized agents.
- This warranty does not cover the cost of mailing or transporting the power tool to receive warranty coverage.
- The warranty is void if the product has been used for commercial, professional, or rental service purposes.
- The warranty applies to the original retail purchaser and is not transferable.
- Proof of purchase is required to obtain warranty coverage.

THIS WARRANTY IS GIVEN IN LIEU OF ALL OTHERS, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND EXCLUDES ALL INCIDENTAL OR CONSEQUENTIAL DAMAGE.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so these limitations may not apply to you. This warranty gives you specific legal rights and you may have other rights which vary in certain states or provinces.

NOTE: Battery pack warranty voided if the battery pack is tampered with in any way. SENIX is not responsible for any injury caused by tampering and may prosecute warranty fraud to the fullest extent permitted by law.

Latin America: This warranty does not apply to products sold in Latin America. For products sold in Latin America, see the country-specific warranty information contained in the packaging, call the retailer from which it was purchased, or visit the website for warranty information.

Free warning label replacement: If your warning labels become illegible or are missing, call **1-800-261-3981** for a free replacement.

REGISTER ONLINE - www.senixtools.com/pages/product-registration

Thank you for your purchase! Register your product now for:

Warranty Service: Registering your product will help you obtain more efficient warranty service in case of a problem with your product.

Confirmation of Ownership: In case of an insurance loss, such as fire, flood, or theft, your ownership registration will serve as proof of purchase.

For your safety: Registering your product will allow us to contact you in the unlikely event a safety notification is required under the Federal Consumer Safety Act.



YAT USA INC. 10506 Bryton Corporate Center Dr, #500 Huntersville, NC 28078

For customer support, please call **1-800-261-3981** or email us at senix.support@yatusa.com