Wei's Technology Pty Ltd

Robot Mower

Model SPM13-320



www.weistech.com.au

Warnings and Important Instructions:









WARNING - Read user instructions before operating the machine

WARNING - Keep a safe distance from the machine when operating

WARNING - Remove (Operate) the disabling device before working on or lifting the machine.

WARNING - Do not ride on the machine

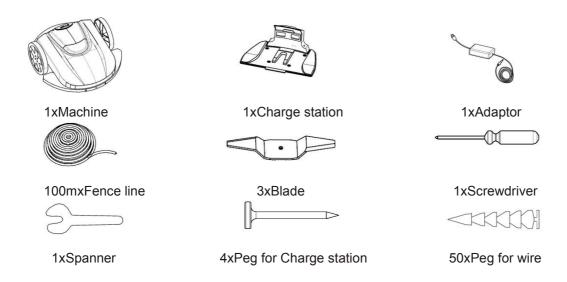
Never:

- ---Store the equipment in a cold place. Instead, store it in room temperature.
- ---Place the equipment next to a heat radiating unit, high temperature or fire.
- ---Remove the product casing (warranty void).
- ---Have direct hit or strong vibration on equipment.
- ---Use the equipment if any connector is broken.
- ---Touch the equipment or peripherals with wet hands.
- ---Use the equipment in wet grass or during thunderstorm.
- ---Let children or pets be in the vicinity of the equipment.
- ---Put hands or feet near the blades.
- ---Lift or carry the mower if the blades are moving.
- ---Use the mower if any of the safety mechanisms is broken.
- ---Use the charger if the power cord is broken.
- ---Detach the charger by pulling on the cord. Take a firm grip of the connector and pull out.
- ---Try to fix a broken power cord or the mower yourself. Always turn it in for authorized service at the reseller.

Important Notes When Using The Mower:

- 1) Make sure there are no items or vegetation that might damage the mower on the lawn.
- 2) The mower does not work if the slop angle is more than 45⁰.
- 3) Remove the power key from the mower when it is not in use.
- 4) It is important to supervise the mower while working in order to avoid possible hazard situations.
- 5) In emergency situations, press the emergency stop on top of the mower.
- 6) Please power off when not use mower, If long time no use, please charge the mower every 3 months.

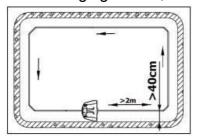
Package Content:

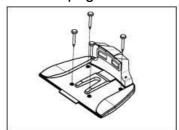


Installation:

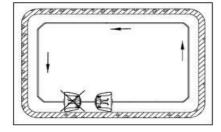
1. Installation of Charging Station:

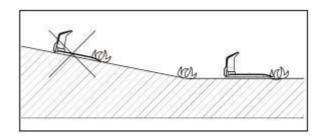
- **A)** The location of charging station must be even, firm and convenient to use the power source. There are must be no obstacles or corners within 2 meters in front.
- **B**) First fix the front part of the fence line under the charging station. The distance to the lawn edge should not less than 40cm. Then correspond the fence line to the grooves under the charging station, and fix the charging station with pegs.





Note: The charging station must face the anticlockwise direction of the fence line. The charging station is forbidden to be put on any inclined surface.

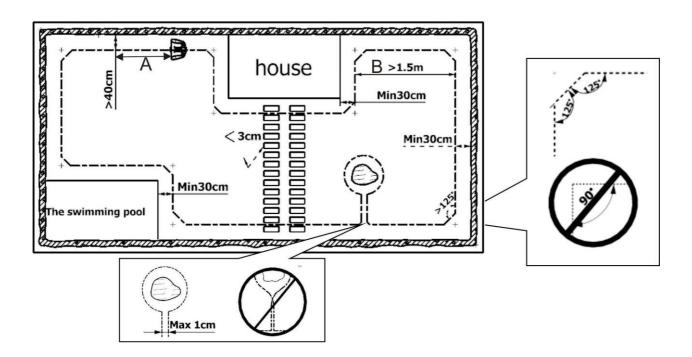




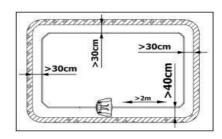
2. Installation of Fence Line:

- **A)** The fence line starts under the charging station, wiring in the anticlockwise direction along the lawn edge. It ends at the back side of the charging station.
- **B**) The fence line must pass through the middle of the charging station, and forward at least 2 meters (A).
- **C**) The slimmest distance of wirings must be at least 1.5 meters interval. **(B)**.
- **D**) The fence line corner should be 125° as fer instructed in the sketch map, any 90° corner is strictly prohibited.

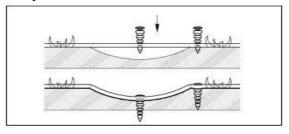
E) When there is a fixing facility or flower and tree in the lawn, isolate it as semi-ring-like island or ring-like island with the fence line to avoid any hit.



F) Except the front 2 meters of the fence line from the charging station, the distance of the rest fence line to the lawn edge is not less than 30cm.

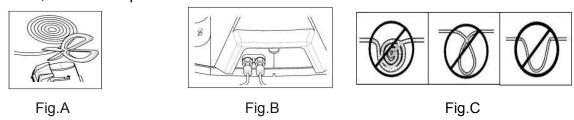


G) Fix the fence line tightly against the ground with the provided pegs. It is recommended that the pegs are inserted every 2-3 meters. The pegs can be put even closer together if the ground elevation differs greatly.



H) After all the fence line is fixed, reserve 10-15cm terminals respectively for both front and tail ends.

Strip the terminals to reveal the copper lines for 2-3cm (Fig. A). Remove the nuts, fasten the copper lines on copper conductors. Then tighten the nuts (Fig.B). there is no positive pole or negative pole, you can connect two poles in random. When the charger is connected to the charging station and the fence line starts to operate, the red lamp should be off.



Note: Do not fold or repeat wiring with the rest fence line. Cut it instead (Fig. C)

Mowing Height:

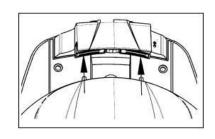
The mowing height can be adjusted by changing the blades or adjust its position. There are 3 mowing heights using 2 different kinds blades. Detach the blade with a spanner and attach it again into the desired position.

Note: Make sure that the power key and fuse are not inserted.

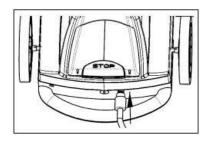


Charging:

The mower can be charged in the charging station. The extruding poles of the mower should be in contact with the respective paddles of the charging station. If the mower need to be charged, the mower will find its way to the station for charging automatically when it needs to recharge.

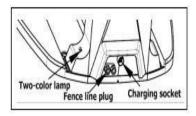


The mower can be charged directly by connecting the charger to the charger input in back of the mower.



Note:

- ---The charger plugs must be well connected to the charging station and tighten the nuts;
- --- The battery must be fully charged before the use first time; --- The two paddles of the charging station are electrified (24V DC). To avoid short circuit, they must never be touched with conductor when the charger is connected to the charging station.

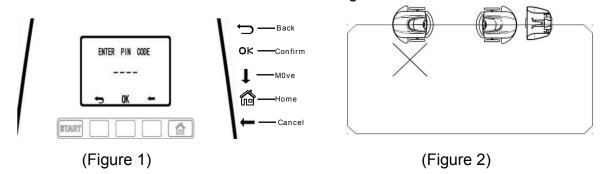


Operation Instruction for Robot Mower LED Display Screen

I. Operation of Display Screen

Press the power button ", the screen shows "ENTER PIN CODE", input initial password (0000) to enter the operation interface (As per Figure 1):

- **1.** Press START to turn on the mower: put the mower on the fence and the mower head is clockwise to the charge station, press START to start mowing (As per Figure 2):
- 2. Press **MENU** to set function
- 3. Press **HOME** to direct the mower back to the charge station



II. Functional Settings

Press MENU to enter function settings, the screen shows as below(As per Figure 3):

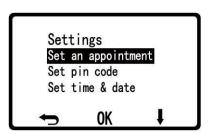
Settings (4 options)

Set an appointment

Set pin code

Set time and date

Set language



(Figure 3)

1. Select "Set an appointment", press OK to enter into the interface(As per Figure 4):

An appointment (Appoint item 4)

Work hours 1 (Working time setting)

Work hours 2 (Reserved)

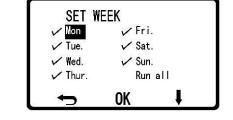
Work days

Rest timer



(Figure 4)

- 1.1 Select "Work hours 1" to enter into "Work hours 1" to set the work time of robot lawn mowers, i.e., the setting time is : 10:30--17:30(including time back to the charging station), then press **OK** to complete.
- 1.2 Select "Work days" to enter SET WEEK, to set working days, below options are available: Mon, Tue, Wed, Thur, Fri, Sat, Sun. Run all(As per Figure 5), use"↓" to select working day, use"OK "to confirm or cancel. All selected dates are shown as "?" when succeeded.it show"√". (Remarks: "Run all" means select from Sunday to Monday. Use "→" to return to the upper menu.



1.3 Select "Reset timer" to reset the working time as defaulted (Figure 5)

(7:00-23:00) , showing "Clear Timer" screen, press **OK**to reset, press"**→** "to return to the upper menu.

2. Select Set PIN code to set 4 number opening password, screens as below:

- 2.1 Enter pin code: input original password,
- 2.2 Enter new pin code: to input new password, 2.3 Confirm new pin: to input new password again.
- 2.4 When it shows PIN accepted, it means new password has been accepted, and will return automatically;
- 2.5 In case the password was input incorrectly, the screen will show: PIN not accepted. Press **OK** to return the upper menu to reset.

3.Set Time & Date screen shows as below:

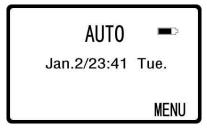
TIME & DATE (3 items)

Set time

Set date

Set format

- 3.1 Select Set time to set standard time in user's country, press confirm, press to return.
- 3.2 Select Set date to set date, press **OK**to confirm, press to return.
- 3.3 Select Set format to set time format as 12 hours or 24 hours, 24 hours will be the default setting if do not specify. Press **OK** to confirm, and press **→** to return.
- III. Use "to return to the main menu(As per Figure 6 with an "AUTO" mark), start the mower to work.



(Figure 6)

Troubleshooting:

- 1. The mower does not start.
- a) The mower starts in an ineffective fence line area. Check the fence line for repair.
- **b)** The fuse has not been installed or the fuse is broken. Remove the fuse cover and check the fuse. Replace the fuse if it burned out.
- **c)** If the mower has not been used for a long while, the battery may be empty. Make sure to charge it again after charging. Even when unused, it is recommended that the battery is charged every 3 months.
- d) Replace the remote control battery after it ran out.

2. The mower does not move forward.

a) The bumper might be stuck. Please turn off the mower and check the bumper. If the bumper

was broken or the sensor tube was sheltered by dirt, please use thing to clean it. if the switch is returned to the start position after being pushed. If it can not be back to position when push you should remove possible objects or grass that has been stuck in the bumper.

b) If the grass is very long at the first time, which will shelter the sensor tube, please mow the grass with a traditional lawn mower before using the robot mower.

3. The mower does not mow properly or at all.

- **a)**Turn off the mower by removing the power key. Check if the blades are properly installed. Replace the blades if damaged.
- **b)**If the mower is in a slope which has an angle more than 45 $^{\circ}$, the mower will automatically stop.
- c). The root part of the blade holder is stuck by objects or grass. Remove them and restart.
- d) The grass is too dense to be moved due to the automatic protection of machine.

4. The mower crosses the fence line and continues outside the perimeter.

- a) The fence line turn angle is too steep. The inner angle must be at least 125 °.
- **b)** The fence line is too close to a slope. Adjust the fence line position to be in accordance to the recommendations.

5. The battery is not charging.

- **a)** The extruding poles of the charger are not in contact with the paddles of the charging station.
- **b)** The extruding poles or the paddles are dirty. Clean them. (Make sure to disconnect the power before cleaning.)
- c) If long time no charge, the left power will be exhausted by itself. If the battery broken a little you can re-charge many times to active the battery or you can change the battery.

6. The mower does not return to the charging station for charging.

- **a)** The fence line is too long. The battery lever is not enough to return the mower to the charging station. Turn off the mower and carry it to the station.
- **b)** If the mower was stopped by obstacle it will stop working.

Functions:

- A) Select the mowing route intelligently;
- B) Avoid collisions intelligently;
- C) Take shelter from rain intelligently;
- D) Return to charging station for charging intelligently;
- E) Safe protection intelligently.

Technical Specifications:

Model: SPM13-320 Size: 590*580*230mm

N.W: 10kg
Working Voltage: 24V
Cutting Power: 130W
Charging Time: 4H

Average Working Time: 2-3 H
Rotate Speed: 5000rpm
Cutting Width: 320mm

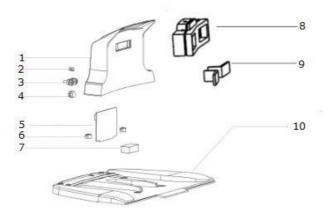
charge station: 2A/230V IP44

remote control batter: 12V/23A

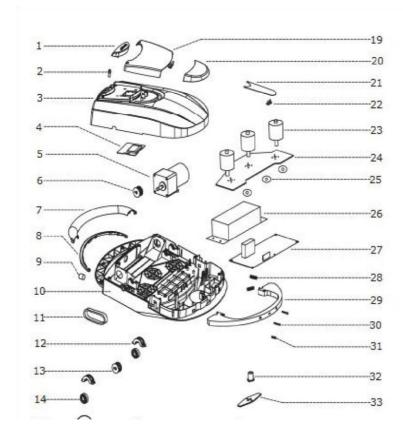
Noise: <73db

Max Cutting Scope: 3000 m²

Cutting Scope for each filling electricity: 500 m²



- 1 Top cover
- 2 Indicator light
- 3 Terminals
- 4 Charger plug
- 5 PCB
- 6 PCB clasp
- 7 Battery
- 8 Charging piece support
- 9 Charge piece
- 10 Recharge stand baseboard



- 1. Switch cover
- 2. Emergency Switch
- 3. Upper case
- 4. Led panel
- 5. Running motor
- 6. Gear1
- 7. Handle
- 8. Sensor fixed parts
- 9. Charge plug
- 10.Basis
- 11.Chain
- 12.Bearing cover
- 13.Gear 2
- 14.Bearing
- 15. Rubber ring
- 16.Driving shaft
- 17.Wheel
- 18.Wheel cover
- 19.Cover 1
- 20.Cover 2
- 21.Key board
- 22.Rain sensor
- 23. Cutting motor
- 24. Motor fixed plate
- 25.Oil seal ring
- 26.Battery