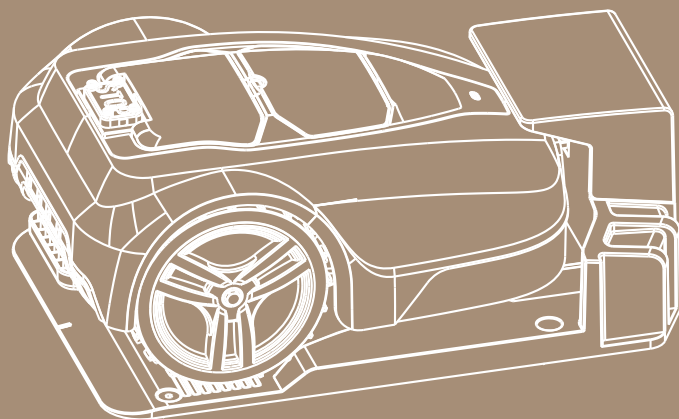




USER MANUAL



Robotic Lawn Mower

SØMLØS G1

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07	Introduction
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34	How to change the Blades
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1. APP Download and Installation

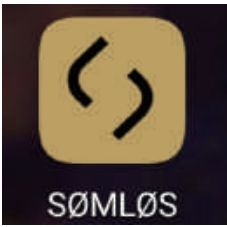
This product can be remotely controlled via the mobile phone APP.
Please follow the instructions below or refer to the product guide in the APP interface.

1. APP Download and Installation

Please scan the QR Code below to download and install APP.





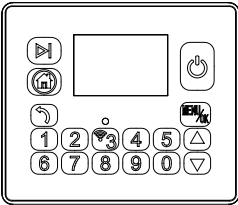
APP Download QR Code



SØMLØS APP Icon

2. Activate Wi-Fi mode on the mower

- 1. Please ensure your garden has a strong Wi-Fi signal.
- 2. Turn ON your mower - press and hold for 2s.
- 3. Hold the Wi-Fi reset button  for 5s;
- 4. Confirm Wi-Fi indicator light  is now rapidly flashing.



Step1

Wi-Fi Indicator Light:

Wi-Fi connecting standby: LED light blinking;

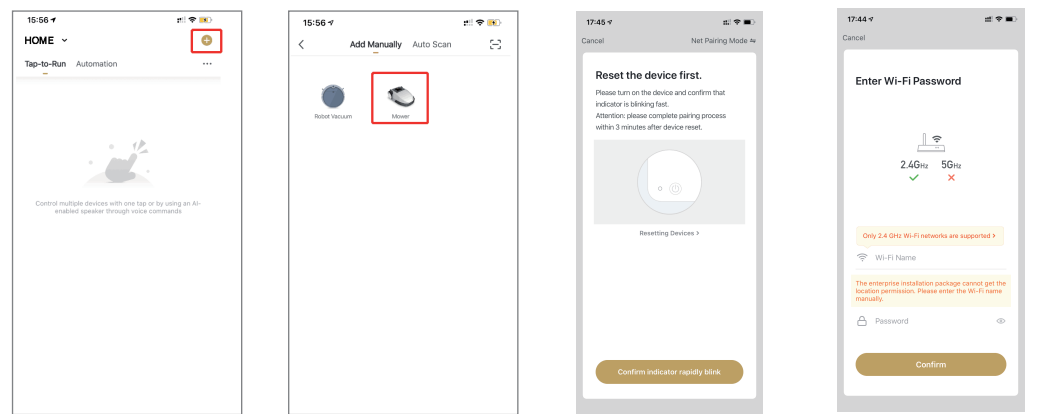
Wi-Fi connecting successfully:

LED light will be steady for 2 mins then will automatically turn OFF

Wi-Fi connecting unsuccessfully:

LED light is unstable and will continuously blink for 3 mins then will turn OFF automatically

3. Open APP and select the "Add device". See images below.

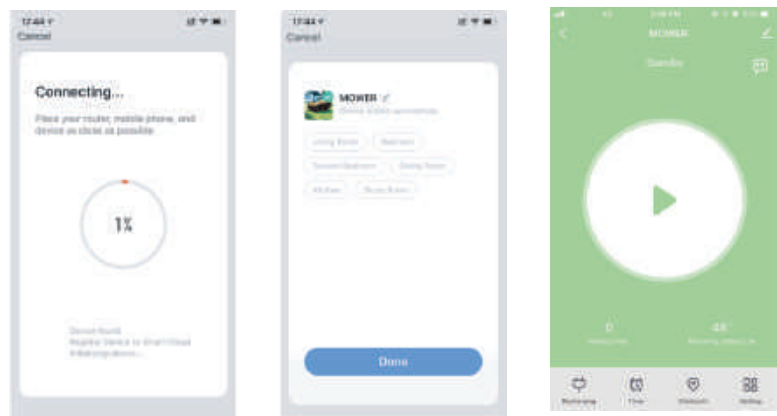


Step 1 & Step 2
Open SØMLØS APP,
sign up and login;
Then choose to add
device;

Step 3
Find "Small Home,
then select "Mower"
under this category;

Step 4
Ensure the Wi-Fi
indicator light is
now rapidly blinking;

Step 5
Enter your wifi
password according
to your setup;



Step 6
Connecting;

Step 7
Mower connects
successfully;

Step 8
Once connection has
been successful, you
will be prompted to
Sømpløs User Interface.

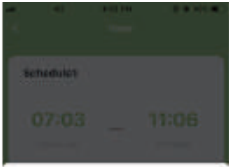
- * Notice: If your mower fails to connect to your wifi , do the following steps
- 1) Reboot your mower (Turn OFF then back ON again)
 - 2) Make sure that you have entered your wifi password correctly
 - 3) Make sure that your wifi 's network frequency is 2.4G
 - 4) Do a speedtest to check if your wifi speed is strong

APP Timer Setting

Sømløs has a schedule function which enables you to enjoy a hassle-free mowing! Your mower can be programmed to automatically start mowing and goes back to the dock station once done at your own time.



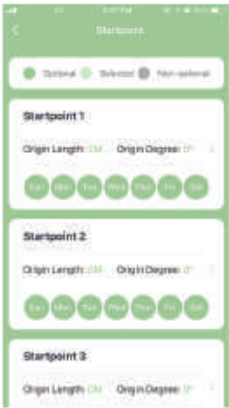
Step 1
From the main page of your Sømløs app, go to TIMER >> it will go to the TIMER Setting page



Step 2
Set you desired mowing time (start and end time). Your "Start time" can be the earlier than your end time



APP Startpoint Setting

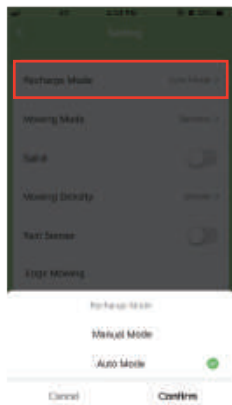


Step 1
To enter the startpoints, select STARTPOINT

Step 2
Set the angle and length of your lawn where the mower should start working. Once done, choose CONFIRM to preserve the setting you have made.
(Green background=Optional; Light Green=Selected; Grey=Non-optional)

Step 3
Make sure to enter the date you want your lawn to work on a specific area.

More Settings on APP



Step 1

Go to SETTING to setup your
1)charging option
2) mowing pattern
3) Spiral Mode
4) Mowing Density
5) Rain Sensor
6) Edge Mowing

Step 2

Set the Recharge Mode to "Auto" so the mower will return to the charging dock automatically. Select CONFIRM to save your choice.



Step 3

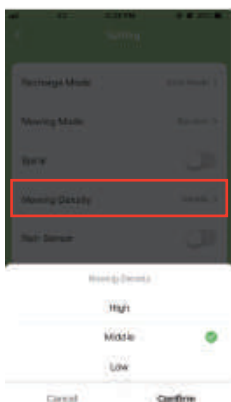
Set your Mowing Pattern to:
Random
Zig-zag
or Mixed

Select CONFIRM to save your choice.

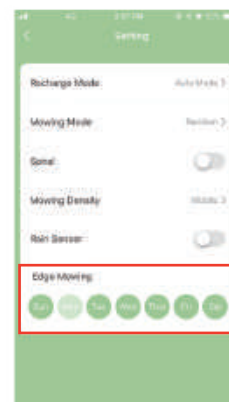
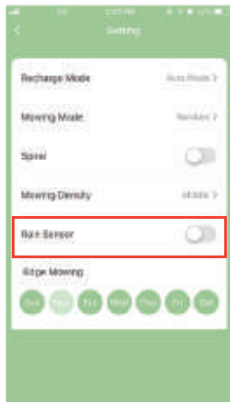
Step 4

Select Spiral Pattern slide the ON/OFF button to enable

( means OFF
 means ON)





1



Step 5

To set the Mowing Density: click Mowing Density then choose High, Middle, or Low. "Confirm" to preserve setting.

Step 6

To ON or OFF Rain Sensor: Select RAIN SENSOR, slide the ON/OFF button to enable the Rain sensor
( means OFF
 means ON)

Step 7

To choose which day do Edge Mowing:
You can program your mower to do Edge mowing . Just select the date when you would like it to be done

TABLE OF CONTENTS

Introduction

Congratulations for choosing an exceptionally high-end device and your best buddy for your lawn care! To get the best out of your SØMLØS G1, you must know your device.

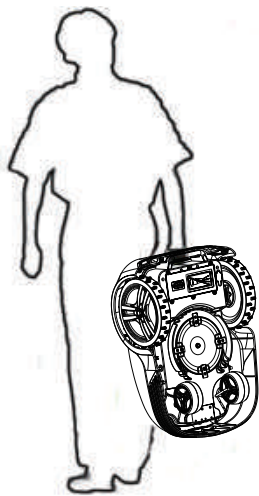
Before operating this product, please read the instructions carefully and make sure to keep the packaging for warranty purposes.

SAFETY PRECAUTIONS

1. For safety purposes, make sure that you read and understand the instructions to avoid damages.
2. Modifications or any alterations on the design of the device will void your warranty and
3. Check if there are no stones, branches, garden tools, toys, or other objects splayed on your lawn that could damage the blades of your mower and would caused it to stop.
4. Never use a high-pressure washer or even running water to clean the mower.
5. Do not ride or sit on the mower, little children and pets should be kept away from the mower when in operation.
6. Never lift the mower up or carry it around when the power is on.
7. Operating instructions should be read by anyone who will handle or operate the mower.
8. Do not put anything on top of the mower or its dock station.
9. Do not allow the mower to be used with a defective blade or body. Neither should it be used with defective blades, screws, nuts or cables.
10. Never put your hands and feet under the mower.
11. The mower does not guarantee full compatibility between mower and other types of wireless systems/mechanisms, remote controls, radio transmitters, other electrical wiring such as lead cable wire.
12. Start the mower according to the instructions.
13. It is recommended that the height of cutting be less than 5.5cm.
14. Do not use use mower to cut lawn with a slope of more than 30 degrees
15. Turn the power switch off before cleaning the machine.
16. Feedback: You can disregard this part.

Transport

1. Power off the mower, if you intend to carry it.
2. When carrying, use the handle located at the rear under the mower.
Carry the mower with the blades facing away from your body.
3. Do not lift up the mower by the outer case.



Correct way



Incorrect way



Watch out for your hands and feet



Read the manual carefully



Do not ride and sit on the mower.



Clear your lawn on any obstacles.
Remove stones, rocks, branches,
garden tools, etc.

Maintenance

1. Turn OFF your mower when working on the mower's underframe (cleaning, replacing the blades)
2. Inspect your mower at least once a week. See if there are damages or worn parts (specially the blades) that may need replacement

PARTS IDENTIFICATION

The SØMLØS G1 includes four main components:

1. SØMLØS G1;

An automatic mower that cuts your lawn moving in an irregular or Zig-zag pattern. This mower is rechargeable making it eco-friendly.

2. Dock Station:

This is also known as the Charging Station. Your mower will return here when battery is running low (only when Recharging is set to AUTO). It has 3 functions:

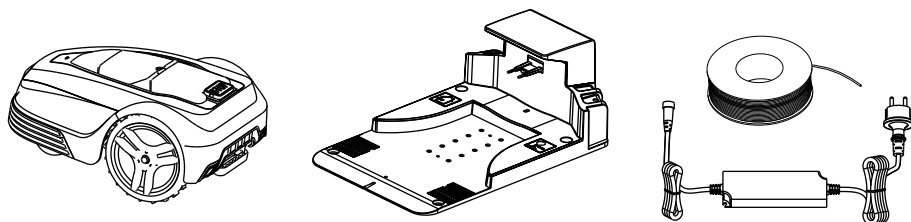
- b. To send around the station so the mower can find the dock
- c. To recharge your mower

3. Boundary Wire

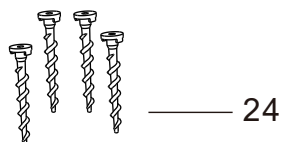
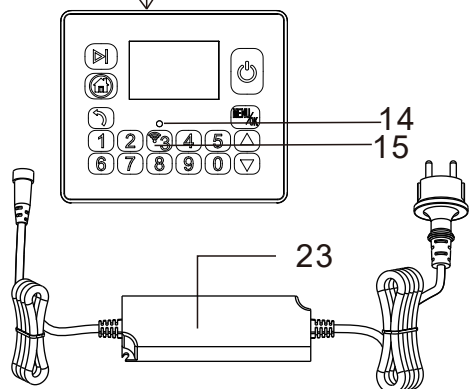
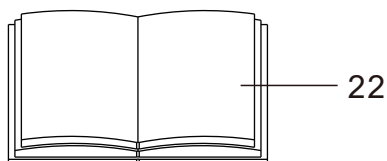
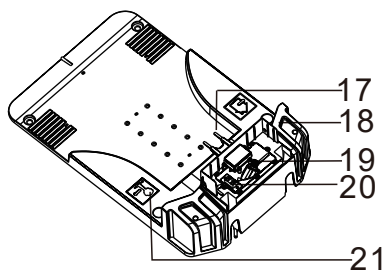
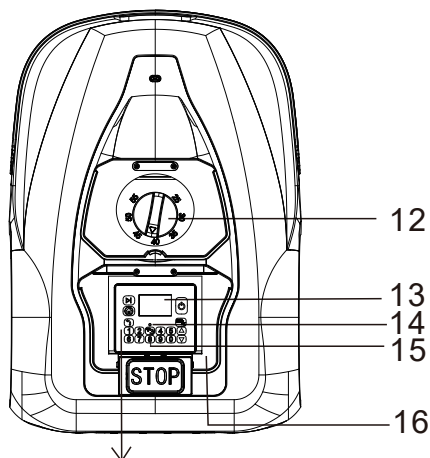
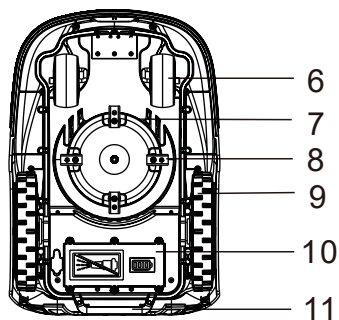
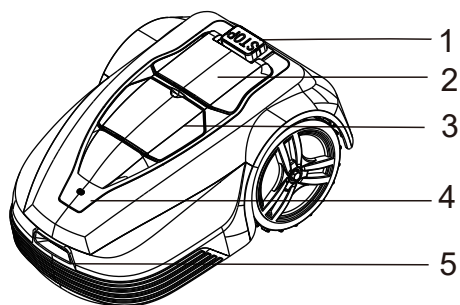
Laid in a loop around mower's working area. The Boundary Wire is laid around the edges of the lawn and around objects and plants, so the mower will not run into. The wire is also used for guiding the mower to the dock station.

4. Power Adapter:

Connected between the dock station and a 100-240V wall socket, the adapter is connected to the wall socket and to the dock station with a built-in power cord.

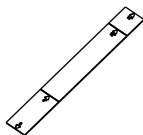


Know Mower

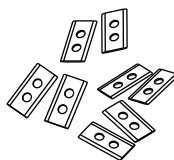




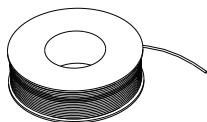
25



26



27



28



29

1. Emergency button
2. The control panel cover
3. Height of cut cover
4. Rain sensor
5. Charging socket
6. Front wheel
7. Blade plate
8. Blade
9. Rear wheel
10. Battery cover
11. Handle
12. Cutting adjustment knob
13. LCD display
14. Wi-Fi indicator light
15. Wi-Fi reset button
16. Keyboard
17. Charging electrodes
18. Signal indicator light
19. Power connector
20. Boundary connector
21. Dock station base
22. Operator's manual
23. Power adapter
24. Pegs for boundary wire
25. Nails for dock station
26. Installation ruler
27. Spare blades
28. Boundary wire
29. Allen wrench

Function of Mower

A. Capacity

SØMLØS G is recommended for lawns up to 1000/2000m. The size of the area that the mower mows are dependent on the condition of the blades, type of grass, grass growth rate (this affects the sharpness of the blades. The more you use your mower, the faster the blade sharpness decipates), humidity and shape of your garden. The battery usage of mower varies due to ambient temperature and thickness of the grass. A fully charged mower can mow for approximately 90-120mins (2.6A Battery) and 180 mins (for 5.2A battery) for a surrounding with 25 degree Celsius temperature.

B. Mowing Technique

b-1. The mower uses of energy efficient components which makes it work efficiently for less. Mowing during dry/hot season is what we recommend to obtain optimal results.

b-2. The mower should not be left in the dock station when there is a risk of thunder.

b-3. When there is a risk of a thunder storm, the adapter plug should be removed from the socket and the Boundary wire disconnected from the dock station.

b-4. The blades on your mower must be kept in good condition. In order to so, any obstacles must be removed prior to mowing

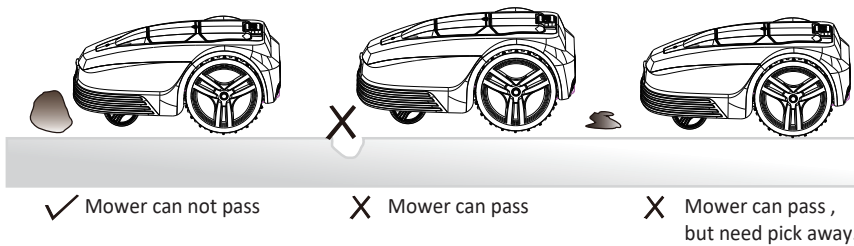
C. Working Method

c-1. The mower automatically mows the lawn. It continuously combines mowing and charging.

c-2. The charging stations emit signals to your mower. Your mower then receives and process it. It enables your mower to mow your lawn and recharge your mower automatically.

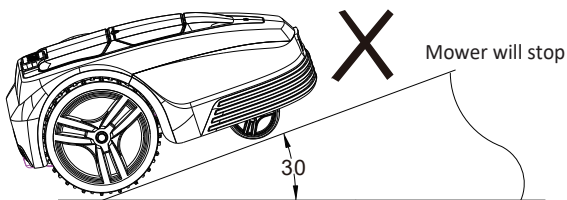
c-3. When the mower hits an obstacle higher than 6 cm, the mower reverses and selects a new direction.

c-4. The mower can work in Zig-zag, Random, Spiral and Edge cutting modes.

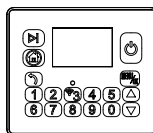
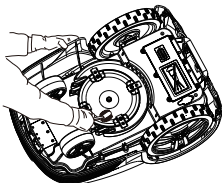


c-5. When the rain is too heavy, the mower will stop working and go to the station.

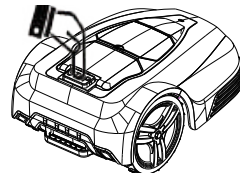
c-6. If the slope more than 30 degrees, the mower will stop, and the mowing motor will stop in one second.



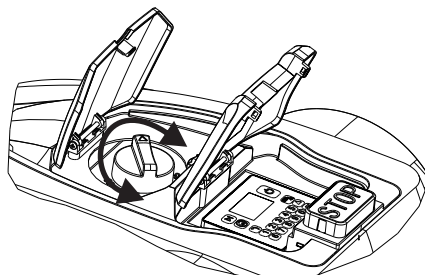
c-7. The STOP button at the back of the mower is used to stop the mowing. If the control panel has been left open, make sure to close it so the mower can work again.



Stop Button



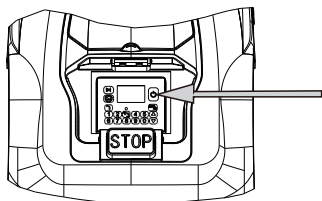
c-8. Control Panel enables you to set the mowing program of your device. You can access it but opening the cover panel



c-9. Under the front cover there is a knob: rotate clockwise to increase cutting height and counter-clockwise to reduce cutting height

c-10. The cover must be close at all times when the mower is turned on otherwise, it will not start cutting.

c-11. If the cover is open while the mower is turned ON, it will turn OFF automatically after 6 mins.



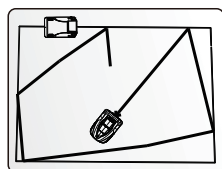
To turn on the mower: Press and hold the power button for 2 seconds

To turn off: Long press on the power button until the screen goes blank

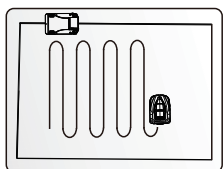
Mowing Pattern

The mower's movement pattern has four modes: Random, Zig-zag, Edge and Spiral. Those patterns can be set by the display.

If the mower runs through thick grass, the mowing speed slows down but will return normal once it successfully passes-through.

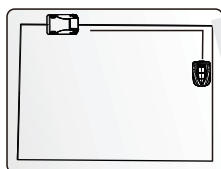


Random

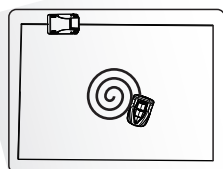


Zigzag

Optional Function



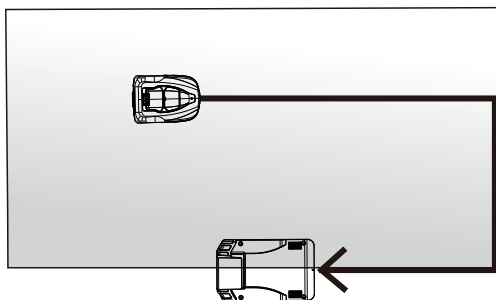
Edge



Spiral

Retuning to the Charging Station

Please sure that there are no obstacles along the boundary wire.



Installation

Read and understand this chapter before installing your mower. proper installation affects the performance of your mower. It is also important plan it carefully.

Before installation, create a sketch of your mower's working area including all probable obstacles. This gives you a better picture on where to place your Dock station as well as placing your boundary wires.

Carry out the installation in the following steps:

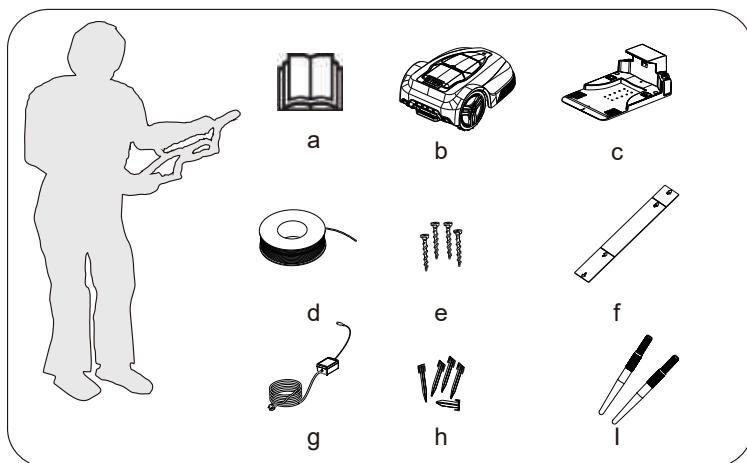
1. Preparations.
2. Installation of the dock station.
3. Installation and connecting the dock station.
4. Charging the battery.
5. Installation of the boundary wire.
6. Instructions for obstacles.
7. Connecting the boundary wire.
8. Checking the installation.
9. Linking mower to the dock station.

1. Preparations

A. If the grass of the lawn in the proposed working area is taller than 10 cm, please mow it using a traditional lawn mower. Then collect the clippings.

B. Check that all parts for the installation are included:

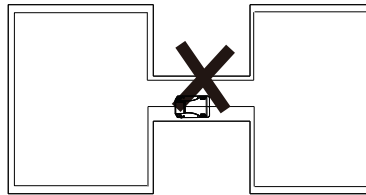
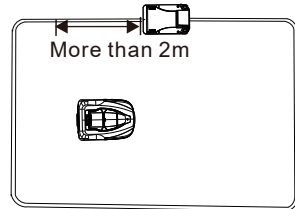
- | | | |
|---------------------------|---------------------------|------------------|
| a. Operator's manual | b. SØMLØS G1 | I. charging plug |
| c. Dock station | d. The boundary wire | |
| e. Nails for dock station | f. Measurement gauge | |
| g. Adapter | h. Pegs for boundary wire | |



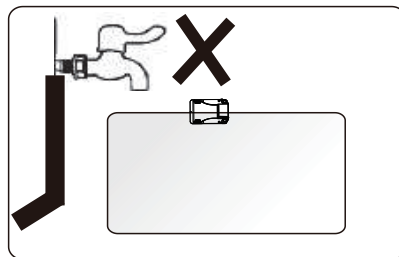
2. Installation of the Dock Station

Select position of the dock station

- a. The dock station must be positioned with free space in front of it.
(minimum 2 m)
- b. The dock station must be positioned on a relatively level ground. The front end of the dock station CANNOT be positioned higher than the lower back end. The height difference must NOT be more than 2cm.
- c. It is highly recommended to place the dock station on a shaded area or away from direct sunlight as the battery can charged faster in ambient temperatures.
- d. The dock station must not be positioned in a way that can bend its base plate.
- e. The low voltage cable may cross the working area. It must be either pegged down or buried. In some cases there is a better positioning option for the dock station for example, close to a house wall .
- f. Avoid placing the dock station in a narrow passage (narrower than about 2 metres).



- g. Avoid placing the dock station near hydrant.



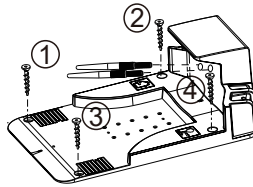
- h. Avoid the adapter be exposed to direct sunlight.
- j. Make sure that Dock station's entrance is facing counter-clockwise as the mower returns to it's base at a CLOCKWISE direction.

3. Installation and Connecting the Dock Station

- a. Place the dock station at a level ground or flat part of your lawn.
- b. Secure the dock station to the ground using the nails supplied. (1,2,3,4)

CAUTION:

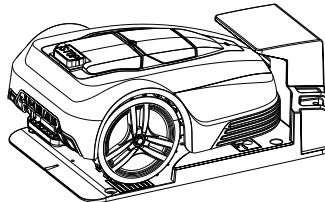
Don't secure the dock station to ground with nails before boundary wire and adapter cable connected with dock station.



- c. Connect the low voltage cable to the dock station.
- d. Connect the adapter power cord to a 100-240V wall socket.

4. Charging the Battery

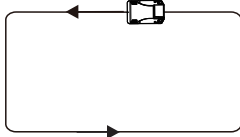
The mower is supplied with one or two unfullcharged battery. As soon as the dock station is connected, you can charge the battery.



5. Installation of the Boundary Wire

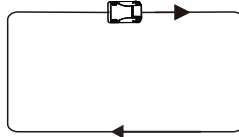
- a. If you want to adjust the boundary wire in the future then it is preferable to peg down the boundary wire; water the area to make it easier to insert the pegs.
- b. If you don't like to insert pegs, you can bury the wire, or you can combine both methods.
- c. Laid in a loop around mower's working area. It is preferable to begin burying wire from one end of the dock station, then the boundary wire round the working area, to the other end of dock station.

From here Start bury



or

From here Start bury

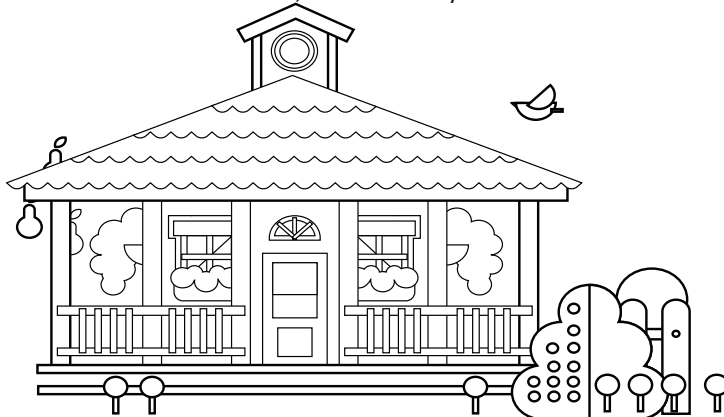


- d. The Boundary wire must be laid 35cm from the edge of your working area, obstacle fence, flower bed etc. This will prevent the mower from colliding with these obstacles and will reduce the mower's wear and tear, also lessens the probability of scratches.

f. When there are several working areas for your mower to work on, the width of the passage connecting these areas must be over 1.2m. Otherwise, it'll be difficult for the mower to move into the other areas.

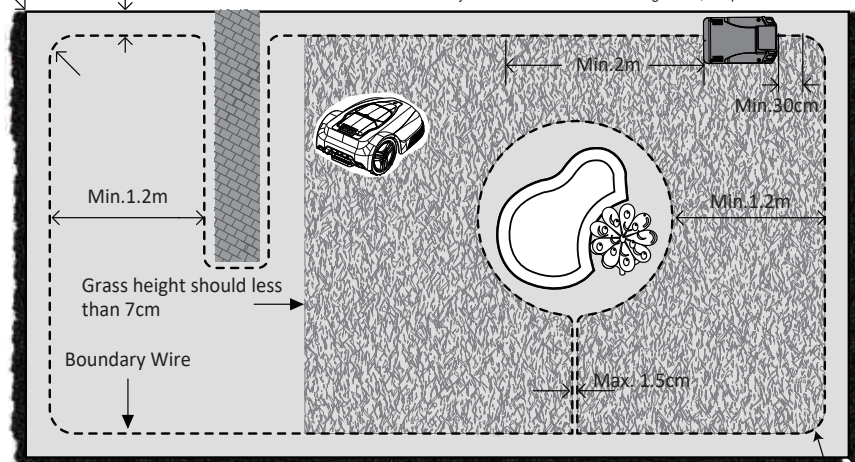
e. At the corners, don't lay the boundary wire at a sharp or right angle; make sure it has 35cm space to the wall or other obstacles; an arc with a radius at least 50cm is preferable.

*Please Refer to the image below. This is the the general guide line on how to install the mower, placement of the dock station, and boundary wire.

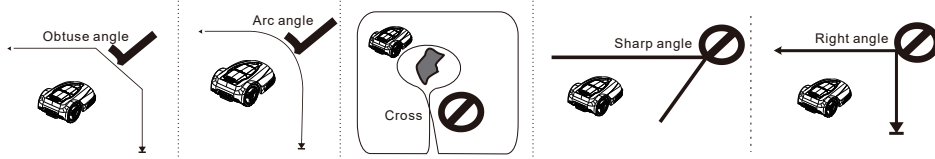


Min.50cm Min.35cm

Mention: While your neighbor's robot mower working near garden, you should keep the boundary wire minimum 2m to the neighbor's, for prevent from mix signal or bad effects.



set the corner less than 10 degree, the boundary wire should be set on a flat ground, then the performance will be good, do not to set the boundary wire on a deep slope, there is limitation on that condition

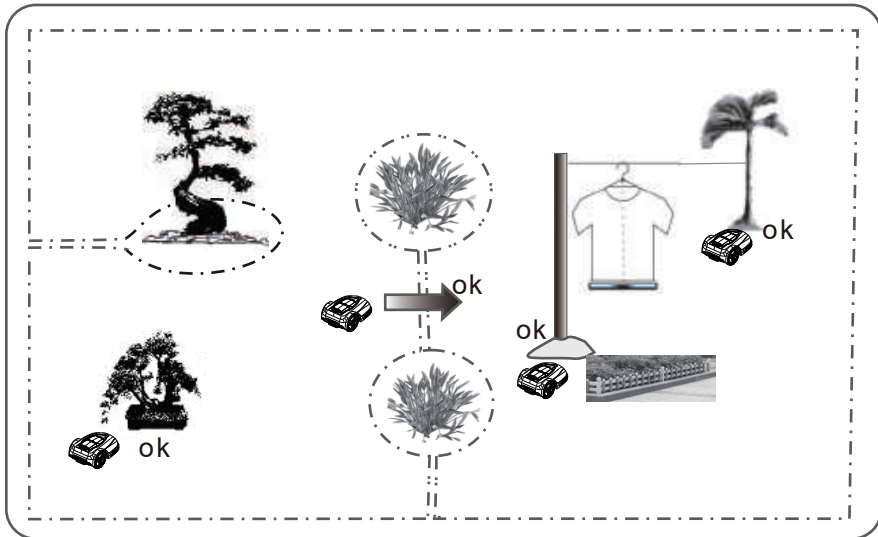


6. Obstacle Instruction

a. Big trees, poles, flower beds and those can be an obstacle for the mower and prevent you burying the boundary wire.

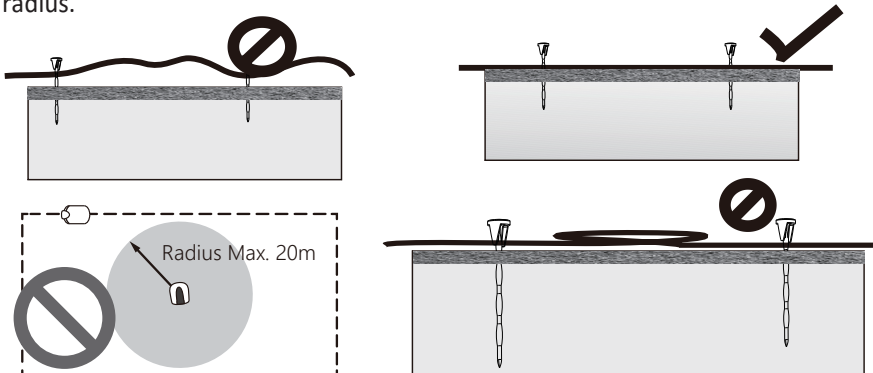
b. Use boundary wire to protect your flowers

c. A big tree with roots can be an obstacle for the mower. It should be protected by burying boundary wire.

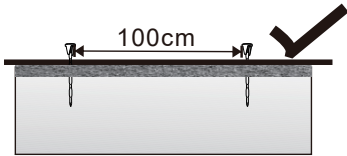


d. Make sure to lay the boundary wire tight to the ground. If the boundary wire is loose or looped on the ground, the mower will cut the wire and the signal may be not strong enough for the mower to receive.

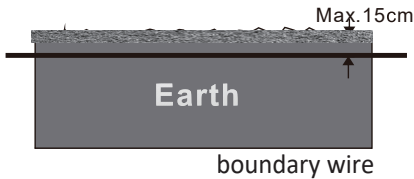
The lawn mower can detect the signal from the boundary wire within a 20m radius.



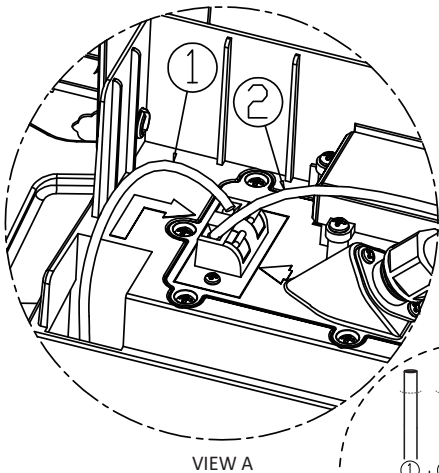
- e. Use a hammer to knock the pegs in the ground. Take care when hammering pegs and make sure the wire is flat on the lawn; the distance between pegs should be approximately 100cm. The distance between pegs should be 30~50cm at corners.
- f. Don't let the boundary wire loop around itself.



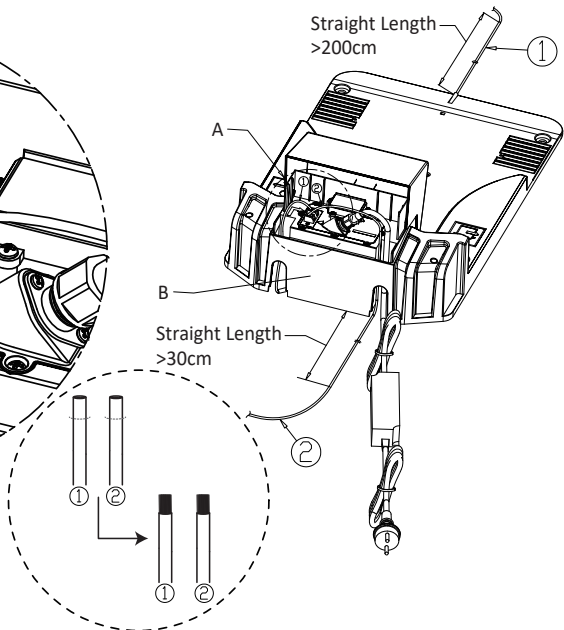
- g. If you intend to bury the boundary wire, make sure to place the boundary wire between 1cm and 15cm into the ground; the boundary wire should not be looped under the ground.



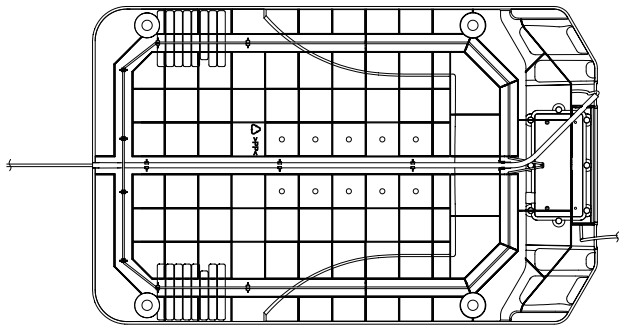
7. Connecting the Boundary Wire



VIEW A



VIEW B



Note: The blue light out of red light on the dock station flashes means good connection.

8. Checking the Installation

Verify the loop signal by checking the LED indicator on the dock station.

Blue light out of red light on the dock station flashes = the signal is OK.

Red light = break in the loop and no signal send.

9. Linking the Mower to the Charging Station

Open the control panel cover by pressing the **STOP** button.

Place mower into the charging station and check charging information on the LCD control panel. The mower will beep until the panel cover is closed.

Wake-up A Uncharged Battery

When your mower is new or has been stored for a long time, the battery needs to be charged before using again. Charging for 1 battery takes up to 2hrs, total of 4 hrs for 2 batteries.

Charging information is displayed when battery is charging, otherwise, there may be some connection issues.

Use

1. Using the Mower

In order to improve the mower's quality, please use the timer to start the mower to cut lawn every other day.

2. Starting Mower

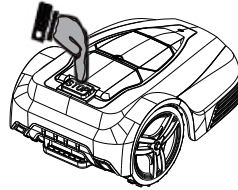
1. Press the STOP button to open the control panel cover.
2. Press Power switch .
3. Enter the right password.
4. Set the start mode.
5. Press Start button.
6. Press MENU/OK button.
7. Close control panel cover.

REMOVE THIS PART

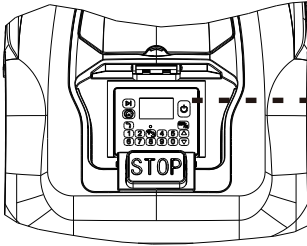
3. Stopping SØMLØS G1

Pressing the STOP button will make the mower stop if it's mowing; the blade motor stops in a couple of seconds and the control panel cover opens.

Stop Button



4. Switching OFF your Mower



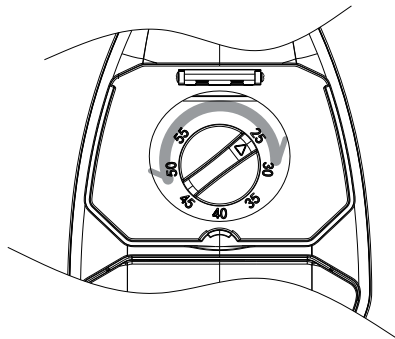
1. Press the *STOP* button.
 2. Press and hold the *POWER* button.
- The Display should be blank.

5. Adjusting the Cutting Height

The cutting height can be adjusted from MIN(2.5 cm) to MAX(5.5 cm). If the grass is long it is appropriate to let Mower start mowing at the MAX cutting height. Once the grass is shorter, you can gradually lower the cutting height.

To Adjust the Cutting Height:

- No.1 Press the *STOP* button to stop the mower.
- No.2 Push the front cover, and rotate knob to adjust the cutting height.
- No.3 Rotate knob by clockwise to to increase the cutting height.
- No.4 Rotate knob by counter-clockwise to reduce the cutting height.



Control Panel

Use the control panel for all commands. All functions are accessible through the number menus.

The control panel consists of a display and a keypad. All information is shown on the display and all input is done on the keypad.

The main menu is the uppermost level of the menu structure.

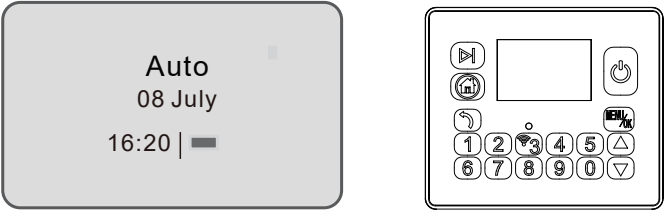
The cursor shows which menu has been selected when the MENU/OK button is pressed.

The clock shows the current time.

The text AUTO or MAN shows which operating mode has been selected.

The battery status shows the remaining battery power.

The keypad consists of three groups of buttons: selection, numbers and power switch.



1. Select Button

Return:

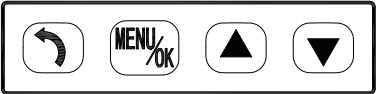
Press to go back one step in the menu structure, or to interrupt an ongoing input.

MENU/OK:

Press to confirm an entry or selection.

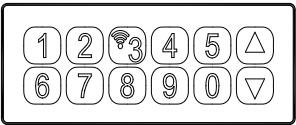
Arrow up and arrow down:

Press any of the arrow buttons to move the cursor between menus or different options.



2. Numbers Button

Used in the menu structure to enter settings, for example, password and time.



Browse through the main menu and submenus with the arrow buttons.

Enter values and the time with the numerical buttons and confirm each selection with the MENU/OK button. Press the Cancel button to go one step back.

3. Function Button

Start mower. Please follow up the LCD display information to start the mower.

4. Function Button

Use this button to set the "Work Mode" on your mower. This will display Home, Auto, Man – use the arrow buttons to select and press the MENU/OK button to confirm.

5. Function Button

Wi-Fi reset button. Via this button, you can connect the mower with APP for more convenient and smart use.

Menu Functions

Main Menu

The main menu consists of five options:

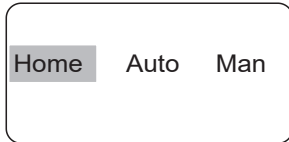
- a. Work Timer (1)
- b. Lawn Setup (2)
- c. Diagnostics (3)
- d. System Setting (4)
- e. Fault History (5)

The numbers in brackets refer to the menu rows on the mower display. Each option has a number of submenus used to access all functions to establish mower settings.

Setting the work timer:

You can set the work day and work time for the lawn mower to operate.

You can set two schedules in one day.



a. Work Timer

1. " Work timer"---> "work timer a" or("work timer b")

Select the "work timer a", press OK to set the schedule time, Enter a start time and an end time in 24-hour format. Also enter a start time and end time in 24-hour format for timer 2 if necessary.

Work Timer A

00:00-00:00

The start time should be earlier than ending time

Note:

1. The start time should be earlier than the end time;
2. Set time between 0 to 24.
3. In order to implement the reservation function, you will have to set the "End time" work as well as the day's work.

if you want to use the Startpoint function, you must select which Startpoint to be activated on the Reserved day and set the relevant parameters.

2. "Work Timer"--->"Work Day"

Use the arrow key to select which day the lawn mower should work.

Use the arrow key to select s* and press yes to set the startpoint.

Note:

- 1) The startpoint No. is from 1 to 3.

2) "0" means startpoint NA.

Start point NO

3

Please input 0 to 3,
"0" means start point NA.

Work Day

Mon	<input checked="" type="checkbox"/>	S1	Fri	<input type="checkbox"/>	S1
Tue	<input checked="" type="checkbox"/>	S2	Sat	<input checked="" type="checkbox"/>	S2
Wed	<input checked="" type="checkbox"/>	S3	Sun	<input type="checkbox"/>	S3
Thu	<input type="checkbox"/>	S1	AI	<input type="checkbox"/>	

3. "Work Timer" --> "Mower Startpoints" --> "Set Startpoint"

Press yes to enter into this interface, then enter the startpoint length and angle. Use the arrow key to select startpoint 1/2/3, press "OK" button to set the startpoint length and angle. Input the value, then press "OK" to confirm your setting.

Note:

- 1) The range of Angle is 000°-180°.
- 2) The range of Length is 000m-999m.
- 3) The scheduling must be activated when the lawn mower is charging at the dock station.

Set Startpoint

	Angle	Length
Startpoint 1	090'	120m
Startpoint 2	150'	080m
Startpoint 3	120'	150m

Startpoint 1

Angle	Length
090'	120m

b. Lawn Setup

Auto mode setting:

2-1. Set Mowing Pattern


Home screen--> Lawn Setup--> Auto mode setting--> Mowing pattern--->Random, Zig-zag, Mixed

Random: Used for mowing narrow areas, normal operation.

Zig-zag: Used for mowing large open area.

Mixed: With the setting, the lawn mower alternates between the [Random] mowing pattern and the [Zig-zag] mowing pattern at regular intervals. You can adjust how the lawn mower moves while mowing. The [Mixed] setting is also available.

Procedures:

- 1) Select Random, Zig-zag or Mixed pattern.
- 2) Press OK button. A tick means being selected.
- 3) Press the  button to return to the last screen.

Lawn Setup

- ▶ Auto mode setting
- Manual mode setting

Auto mode setting

- ▶ Mowing pattern
- Edge cutting
- Spiral cutting

Mowing pattern

- ▶ Random ☒
- Zigzag ☐
- Mixed ☐


2-2. Set Edge Cutting

Home screen --> Lawn Setup --> Auto Mode Setting --> Edge Cutting

With this function, the mower will mow along the boundary wire. You can set which day needs lawn mower to cut along boundary wire from Monday to Sunday.

If the edge cutting setting is enabled, the lawn mower goes around your lawn along the boundary wire to mow the edge before starting the usual mowing.

Procedure:

- 1) Select the "edge cutting", press OK to set it;
- 2) Select YES, then press OK button (A tick means being selected).
- 3) Select "work day" and set the number 0-7. This sets day for edge cutting. (1 means Monday, 2 means Tuesday,...,7 means Sunday).
- 4) Press the  button to return to the previous screen.

Note:

You can select Yes(A tick shows behind), Press "OK" button (the tick disappears) to cancel edge cutting set.

Edge Cutting

- ▶ yes ☒

which day is work 5

Spiral Cutting

- ▶ yes ☒

2-3. Set Spiral Cutting

Home screen --> Lawn Setup --> Auto Mode Setting --> Spiral Cutting

After setting this function, the lawn mower could focus on mowing the area where the lawn is not completely mown or where the grass is too thick.

2-4. Manual Mode Setting

Please refer to the auto mode setting and repeat the steps as above.

In MANU mode, you can manually move your mower to other zones which has buried boundary wire for mowing. In this mode, you need to manually move the mower for cutting and recharging.

Operating the lawn mower in Auto mode

Entering your PIN (Personal Identification Number)

When turning the lawn mower, you must enter the PIN.

1. Enter the PIN using the number buttons.
2. Press the OK button.

The home screen is displayed AUTO.



AUTO Mode Operation

These instructions can be used to operate the lawn mower at the time scheduled and Startpoint settled for the Auto mode settings.

Make sure to press the STOP button before performing the following procedure:

1. Press the OK button;
2. If the [Auto] is displayed on the Home screen, go to step 3;
If the [Man] is displayed on the Home screen, press the HOME button and select [Auto] by arrow button, then press OK button;
3. Press Start button, then press OK button, finally close the control panel cover to start mowing.

Once the setup is complete, you can now use your mower. If your lawn mower is sitting at the charging dock while you do the setup, it'll start mowing at the time you had scheduled it to do so.

Operating the lawn mower in Manual Mode.

Entering your PIN (Personal Identification Number)

When turning the lawn mower, you must enter the PIN.

1. Enter the PIN using the number buttons.
2. Press the OK button.

The home screen is displayed Man.



Manual Mode Operation

1. Press the OK button;
2. If the [Man] is displayed on the Home screen, go to step 3.
If the [Auto] is displayed on the Home screen, press HOME button and select [Man] by arrow button, then press OK.
3. Press Start button, then press OK button, finally close the control panel cover to start mowing.

Setting completed. The lawn mower starts mowing at the manual mode.

Note: If you forget the password of the lawn mower, please contact after-sales service center for help.

c. Diagnostics

Select “Diagnostics”, press MENE/OK to check the system.

1. Check signal

Home Screen --> (Diagnostics)- -> (Check signal)

You can check the boundary signal status.

Signal include:

- 1. R sensor (shows if mower inside the boundary wire area or outer)
 - 2. L sensor (shows if mower inside the boundary wire area or outer)
 - 3. Lift sensor (To check if the lift sensor is ok);
 - 4. Bump sensor (To check if the bumper sensor is ok);
 - 5. Rain Sensor: To Check if the rain sensor OK or working.
- Note:

<1/2> The words "None" or "Inner" or "Outer" will appear on the screen.

None: Means the signal sensor is broken ;

Inner: Means the signal sensor is ok;

Outer : Means no signal.

<3/4/5> The words "OK" or "NG" will show on the screen.

OK: Means sensor is normal. NG: Means sensor is not good.

Diagnostics

- Check signal
- Test mowing motor
- Test wheel motor
- Test startpoint

Check signal

L sensor	Inner
R sensor	Inner
Lift sensor	ok
Bump sensor	ok
Rain sensor	ok

2. Testing your Mower's motor

Home screen --> Diagnostics --> Test start mowing motor

The mowing motor service for the cutting blade, we need to check whether it is good or not.

Attention: before you do a test, make sure that there are no obstacles on your lawn or on your device. Press the "OK" button; the screen will show , "Please input7 to test". Press the number "7" button . The motor should start running. (You can now see if it's functioning well or if there is anything that's out of the ordinary)

Test mowing motor

► yes ☐

Test Wheel motor

► yes ☐

3. Test Wheel Motor

“Test Wheel Motor ” to check whether the wheel is working normal.

Attention:

Before you test the wheel, place the mower in a flat portion of your lawn area.

Press the OK button; the screen should show "Please Input 7 to test", Press the number "7" button to initiate the test. The Wheel should start running. (You can now see if it's functioning well or if there is anything that's out of the ordinary)

4. Test Startpoint

You can check whether the lawn mower can reach each start points according to settings .

Home screen --> Diagnostics --> Test startpoints: <Point 1> to <point3>
You can test if the lawn mower will correctly go to the specific startpoint.

Note:

Perform this test when the lawn mower is connected to the docking station.

- 1. Select a point from 1 to 3 which you want to test and press the <OK> button.
- 2. Select <Yes> and press the <OK> button.
- 3. Close the control panel cover.

The lawn mower will start test the selected startpoint. When the test completed, the mower will stop and you can check whether the value you set is ok.

Test startpoint

▶ Test start point1
Test start point2
Test start point3

Test startpoint1

▶ Yes ☐

d. System setting

Day and time set

Home screen --> System Setting --> Day and time

- 1. Enter the date with the format {Year}/{Month}/{Day}. The time in 24-hour format using the number buttons.
- 2. Press OK button.
- 3. Press the return button to return to the previous screen.

System Setting

▶ Day and time
Password setting
Sensitivity setting
Factory reset
Language setting

Password Enable

▶ yes ☐

New password

— — — —

The lawn mower work time is based on this Day and time setting.

Password setting

Password setting is used to prevent the lawn mower being operated by others.

Home screen --> System Setting --> Password setting

Note:

How to change password:

- 1. Press OK to enter password setting menu;

- 2. Enter old password, press OK button;
- 3. Enter new password, input new password again, press OK button;
- 4. It will show the setting is ok.

Sensitivity Setting

Home screen --> System Setting -->Sensitivity setting

Attention:

Rain means whether you choose to open the Rain sensor. You can turn on or off the rain sensor via this menu.

Sensitivity Setting

► Low	yes	<input checked="" type="checkbox"/>
Middle	yes	<input type="checkbox"/>
High	yes	<input type="checkbox"/>
Rain	yes	<input type="checkbox"/>

Factory Reset

Home screen --> System Setting --> Factory Reset

- 1. Press OK button, enter into the interface as below
- 2. Input password
- 3. Tick “Yes”
- 4. The machine will start rebooting, then the machine returns to the factory setting.

Factory reset

yes ☒

Are you sure to reset?

Password:

Language Setting

Home screen --> System Setting --> Language Setting

- 1. Choose Language setting and press MENU/OK button;
- 2. Enter Language setting page, use arrow button to select the language;
- 3. Press MENU/OK button to choose the language you select.

System Setting

Day and time

Password setting

Sensitivity setting

Factory reset

► Language setting

Step1

Language Setting

► English

Spanish

German

French

Norwegian

Danish

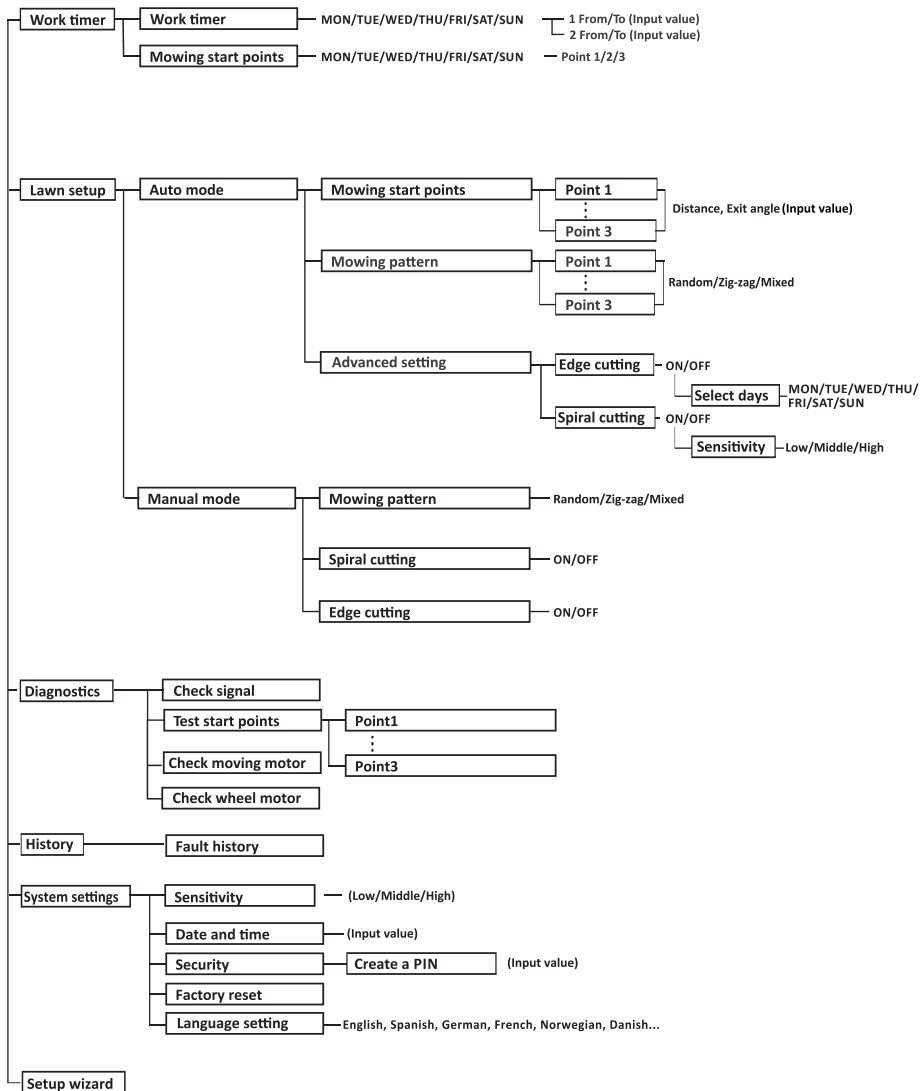
:

Step2

e. Fault history

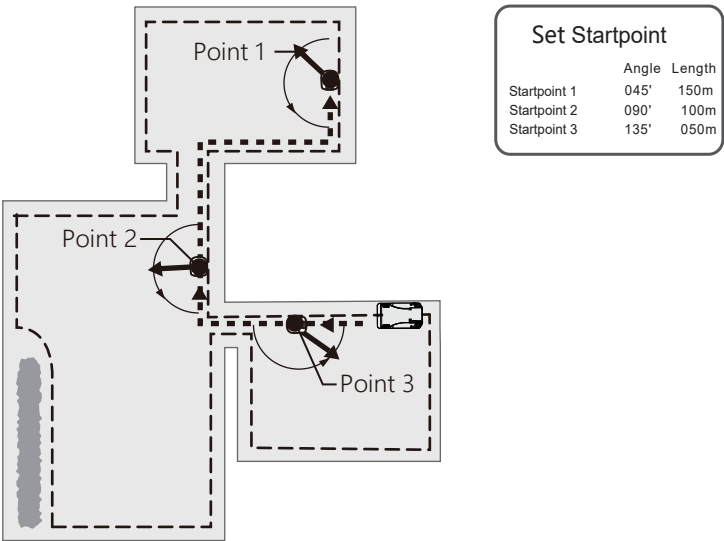
Display the Fault Information of mower.

Full Menu Diagram



Mowing Startpoints

You can set the mowing startpoints for each day of week.
For example, if you set the following 3 startpoints on your lawn, the lawn mower can reach other areas through narrow passages and mow your lawn effectively.



By setting the startpoints for each day of the week, you can mow your lawn effectively.

Set Startpoint:

- 1. Length of startpoint: The length is counted by the boundary wire length from charging station;
- 2. Angle of startpoint: The angle is counted by counterclockwise rotation based on forward direction.

Work Day

Mon	<input checked="" type="checkbox"/>	S1	Fri	<input type="checkbox"/>	S1
Tue	<input checked="" type="checkbox"/>	S2	Sat	<input checked="" type="checkbox"/>	S2
Wed	<input checked="" type="checkbox"/>	S3	Sun	<input type="checkbox"/>	S3
Thu	<input type="checkbox"/>	S1	AllDay	<input type="checkbox"/>	

From Monday to Wednesday:
the lawn mower starts from
point 1, point 2, or point 3.

The display show :

- Monday start point 1.
- Tuesday start point 2.
- Wednesday start point3.
- Saturday start point 2.

Daily Maintenance

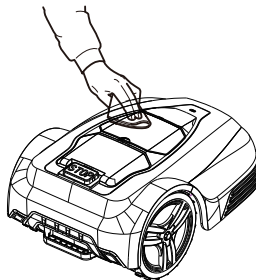
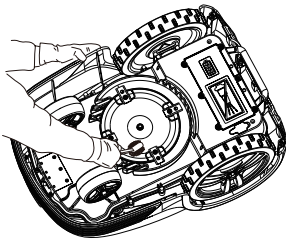
1. Check and clean mower regularly once a week.
2. When you first start using the mower, the blade plate, protection plate and blades should be checked once a month.
3. It is important that the blades rotate easily.
4. Check if the blade's edges are damaged or not. The blade life depend on the type of grass, temperature, and longevity of usage.
Mowing with blunt blades will result to poor results. Grass will not be clipped properly and mower can only cover a small area.
5. Working with dull blades gives a poor mowing results, which needs more power to mow, therefore the mower can only cover smaller area.
6. Charge the battery fully at the end of the season before winter storage. If storage time is longer than one year, please recharge the mower again.

Cleaning

1. Never use a high-pressure washer or even running water to clean mower.



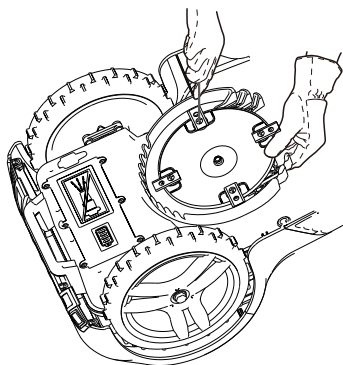
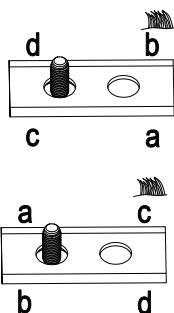
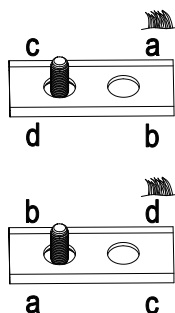
2. It is important to keep your mower clean. Mowing with residual grass on there will result to poor performance.
3. We recommend using a brush and spraying with water to clean mower underneath, and a soft, damp sponge or cloth to clean the top body and outer case.



Change The Blades

To replace the blades:

1. Power off the mower.
2. Wear protective gloves.
3. Turn mower upside down.
4. Rotate the skid plate so that its hole aligns with the blade screw.
5. Unscrew the blade. Use a flat head or head screwdriver.
6. Pry the protection plate and blade plate a little apart and remove the blade and screw.
7. Tightly screw on new blade.
8. Change the blade to another side if current side is broken, worn, damaged or dulled.



Winter Storage

1. Mower must be carefully cleaned before winter storage. Charge the battery fully before winter storage.
2. Store the mower in the station and place in dry area to protect from frost, preferably stored in the original packaging
3. Boundary wire can be left in the ground. As the charging station is removed, you should protect boundary wire end from moisture with electrical tape.

After Winter Storage

1. Check whether the mower, boundary wire and charging electrode need to be cleaned before use, . If the charging or contact strips appear to be rusty, clean them by using an emery cloth. Check whether the mower's time and date are correct.
2. Check whether the blades need to be changed.
3. Check whether the blades and blades plate turn easily. If not, please contact the service center for help.



The picture above is for your reference.

When your garden with different zones, and 2 zones all need to be cutted, pls check the set up process as below:

1. Between the passage of the 2 lawns, the width of 2 cables should be within 5cm;
2. When robot have finished the work in zone1, you need to choose the manual mode and then put the robot on the cable inside zone2, then the robot will work ;
3. After finishing work inside zone2, robot will stop on the cable, then you need to manually lift the robot to the dock station.
4. This set-up procedure could be available for 2 zones, you could follow the steps.

Technical Data

Item	SØMLØS G1 / G1+
Dimensions	
Length x Width x Height	50cmx35.5cmx24cm
Weight	16Kg
Electrical System	
Battery	2600 mAH / 5200 mAH
Adapter	29.4 V / 2.0A @ 100~240 V/
Boundary Wire Length	100m/150m
Blade Motor	BLDC
Blade Motor Speed	3200~3500rpm
Wheel Motor	BLDC
Bump Sensor	Yes
Rain Sensor	Yes
Lift Sensor	Yes
Emergency Switch	Yes
Noise Emissions	
Measured Noise Level	55 dB(A)
Guaranteed Noise Level	65dB(A)
Mowing	65 dB(A)
Mowing System	Four pivoted blades
Cutting Height	2.5-5.5 cm
Cutting Width	18 cm
Working Capacity	(1000 / 2000 m²) +/- 20%