



# YARD FORCE CloudHawk App User Manual

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## CLOUDHAWK





<https://yardforce.github.io/uni-qrcode.html>

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## CloudHawk App



Read this manual carefully prior to operating the robotic lawnmower. Keep this manual in a safe place and have it ready for future reference.

## About CloudHawk

CloudHawk is an APP which is used across the Yard Force robotic lawnmower product range.

CloudHawk supports multiple connection methods, including bluetooth, WIFI, and 4G. Before you try to connect your device with CloudHawk, make sure you follow the below instructions:

1. If you use a bluetooth supported device, please make sure that you are close to the mower when you try to connect.
2. If you use a WiFi supported device, before you set up the connection, please double check your house router transmit frequency, our WiFi chip only supports 2.4G, if you house router running with 5G, please check if your

house router supports 2.4G, if so please check your house router manual and change the setting to 2.4G.

3. If you use a WiFi supported device, before you set up the connection, please check your docking station location, we recommend that the docking station should be well covered with your house router signal, reference diagram below:



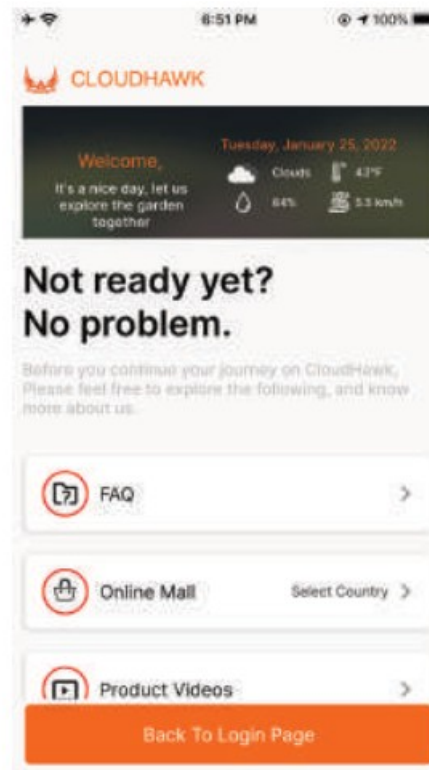
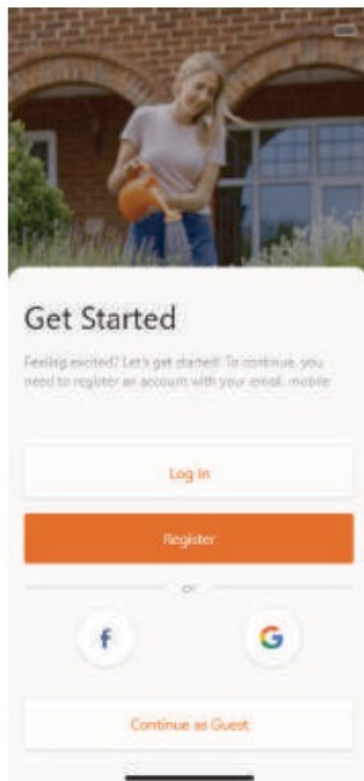
## Explore as Guest

Before you sign in to your account, you can also explore our application as a guest, there are three options available within guest mode:

**FAQ:** Select the model you purchased and view the related questions and answers.

Online store: Select the country and view the connected products available. Product video:

Find the YouTube tuition video from this segment.



## Account Registration

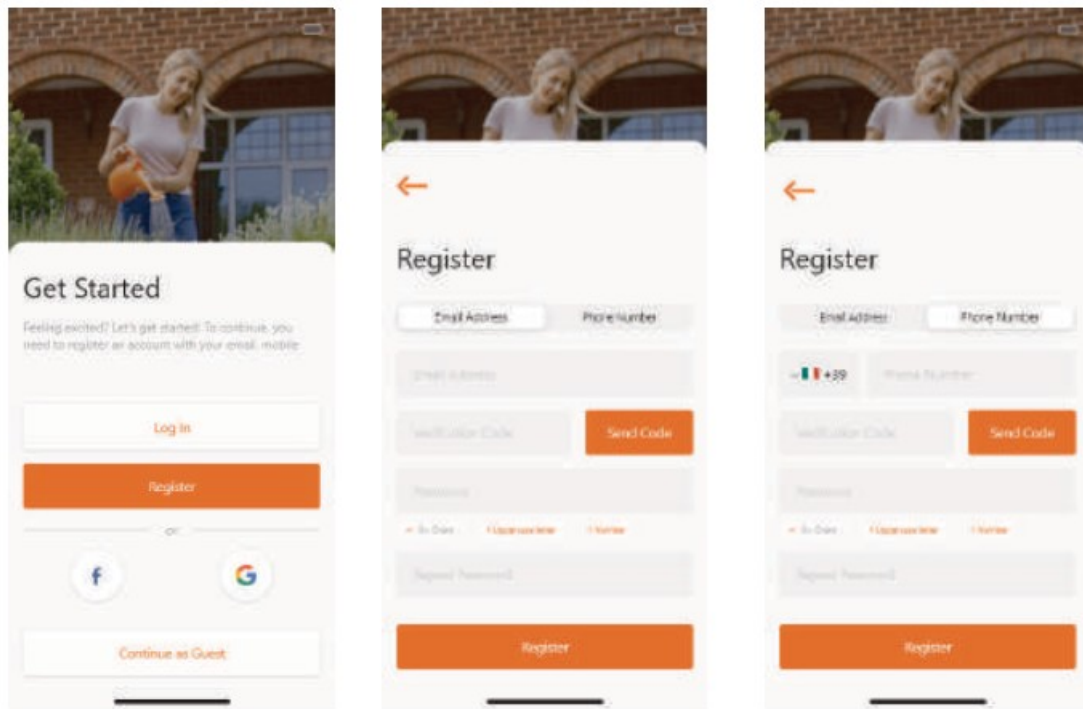
### Create account/login

CloudHawk supports third party social media login, for android version, it supports Facebook and Google ID, for iOS device, it supports Facebook Apple ID and Google ID.



You can login using your mobile number or email address, for email registration you will receive the verification code to the chosen email account, remember to check your spam folder.

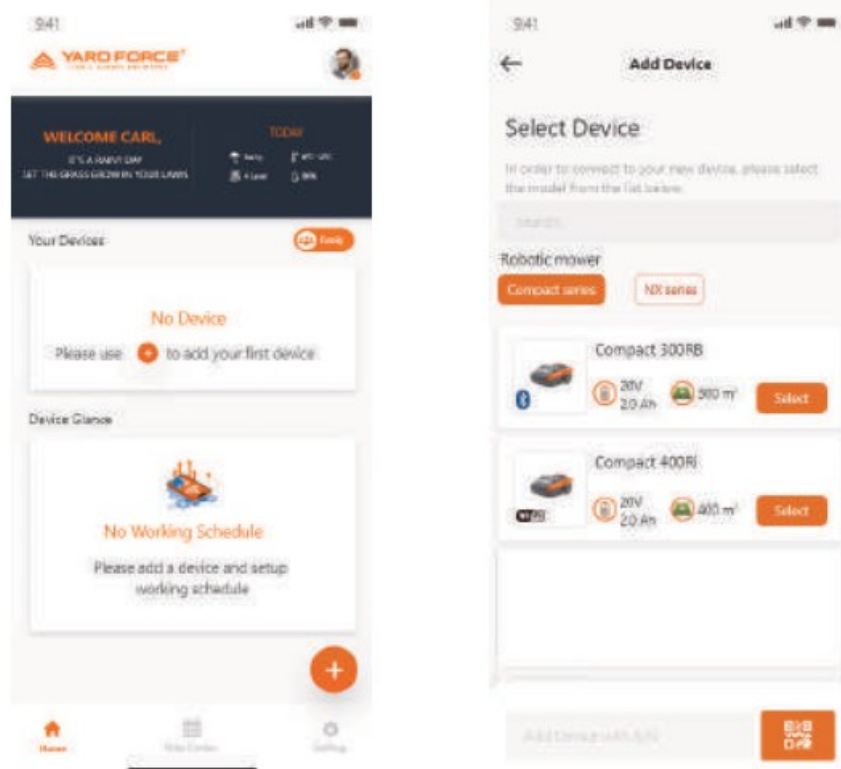
Your password should be more than 6 digits, and it should contain one uppercase letter and one number.



**NOTE:** please authorize the application “location” , to allow the location and weather information.

## Add device

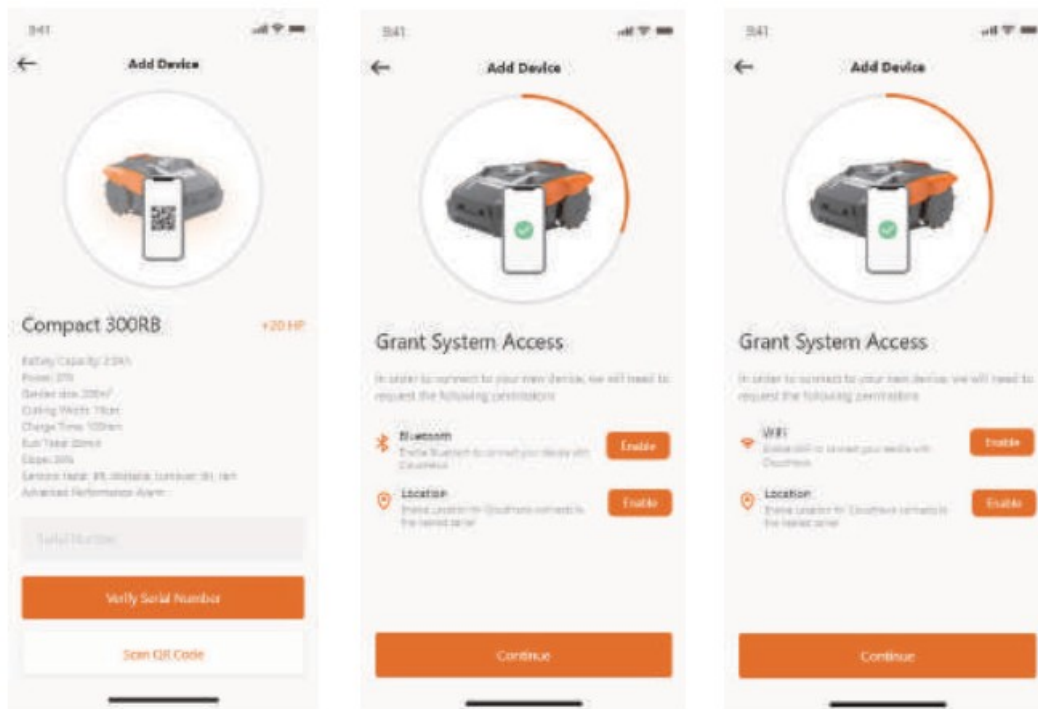
Use the “+” button at the right lower corner of homepage to add the device.



1. Use the search box, input the product and search it directly.
2. Select according to product series and find the name of the purchased product.
3. Input (or scan) the product series number (SN and related QR code can be found on the mower main nameplate), then you can find and add the device.

## Series number verification

After the series number has been installed into the APP, the system will search and fetch the data from the service side, meanwhile the system will also detect if the series number is already registered by another user.



## Grant System Access

Before configuring the mower, the APP need access permission to complete the process.

1. For bluetooth device, the application needs your mobile phone “Bluetooth” and “Location” authorization.
2. For WiFi device, the application needs your mobile phone “WiFi” and “Location” authorization.

## Enter Configuration Mode

Each model has different connection pathways, see which one you should use below:

### Bluetooth device

After you grant the Bluetooth and location access, then follow page:

A will display. Please press the Bluetooth symbol button, make sure that the below BLUE LED is lighting on (for Easymow, Mowbest, SA650B, SA900B, Bluetooth is always activated).

**NOTE** Bluetooth is enabled by default for following models: MB400, MB800, Compact 300RB, SA650B, SA900B, Classic 500B, Classic 600B, XPower 400, XPower 800.

### WiFi device (Compact 400R series)

After you grant the WiFi and location access, then follow page:

B will display. Before your enter configuration process, normally the WiFi LED should flash slowly (one flash per second).

To configure the WiFi, the user need press the WiFi button and hold for 5 seconds, until the LED is lit continuously, this means the device has been configuring.

LED flashing quickly (four times per second): Internet connected. LED flashing slowing (one time per second): Connection failed, please repeat above process LED is lit continuously: Device has been configuring.



**A**



**B**

### **WiFi device(NX series)**

After you grant the WiFi and location, then follow page:

C will display. Before your enter configuration process, normally the WiFi LED should flash slowly (one time per second).

To configure the WiFi, follow the below process:

1. Power on the device and enter device control interface with PIN code.
2. Press the WiFi button.
3. Use the numeral key “1” to select the “WiFi configure”.
4. Then the device is under WiFi configuration process, follow the rest of the APP instructions.

LED flashing quickly(four times per second): Internet connected.

LED flashing slowing (one time per second): Connection failed, please repeat above process.

LED is lit continuously: Device has been configuring mode, not connected with internet.

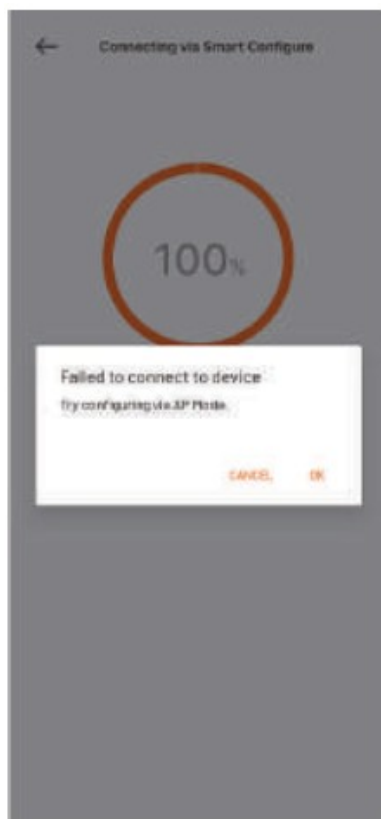


## Assistant configuration with AP mode

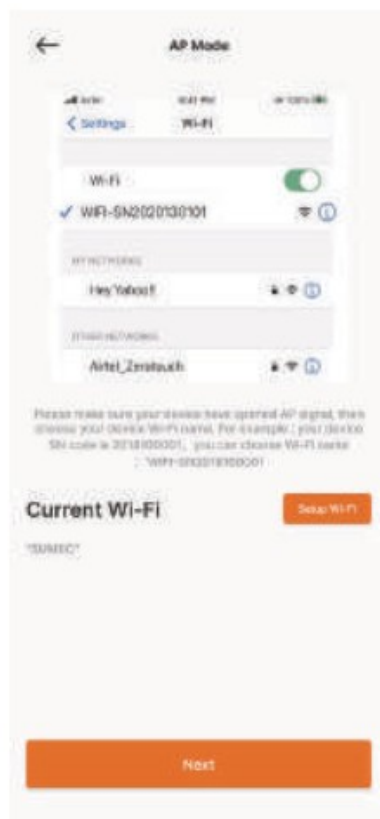
For WiFi devices, due to the different configuration conditions, sometimes the device may fail to complete the internet configuration process within smart configure, for this situation we suggest to follow our below instructions:

1. When the smart configure has failed, the upcoming page will show up (D), click OK button to proceed on the follow process.
2. The following page (E) will display, currently the mobile phone is connected to your house router, you need change the WiFi and select the WiFi which created by our robotic mower, please click "Setup WiFi" button to enter the WiFi select page.
3. In the mobile phone WiFi Selection page (F), please select the WiFi whose name is start with "WIFI-SNxxxxxxxx", please kind in mind that this WiFi does not have internet access but please give the authorization to connect.





**D**



**E**

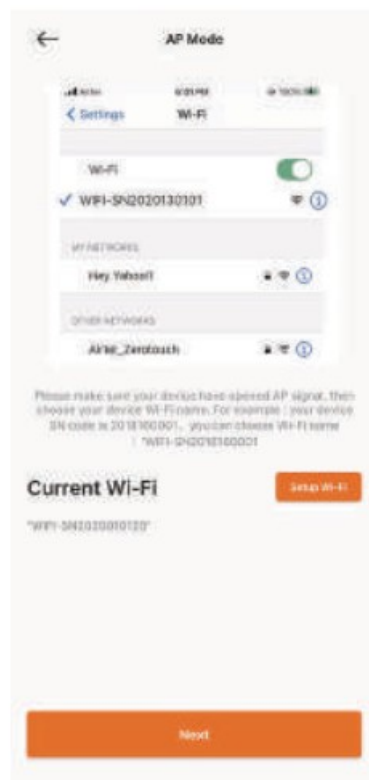


**F**

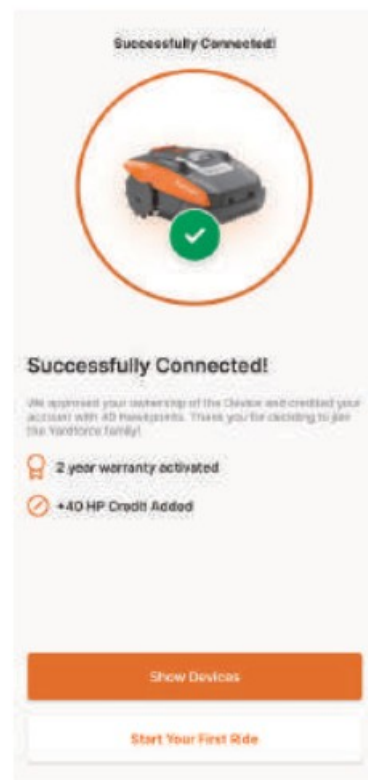
4. After you select and connect to the hotspot which created by robotic mower, please click the return button and back to our APP page (G), you will find that currently your mobile phone is connected to WIFISNxxxxxxxxxx, and then please click “Next” button.
5. Then the mobile phone will share your house router SSID and password to your mower by local network, once the mower can receive this file, it will try to connect to the internet, finally you will see the page (H), means robotic mower now is finally connected with internet.

**NOTE:** in most cases, the users will not need any further setting as you have already completed the configuration with smart configure and “Assistant configuration with AP mode” is our additional setting for the situation when you are failed to connect the mower to internet within smart configure. If you still failed to connect the mower, we suggest to repower the device and repeat the whole configuration process again.





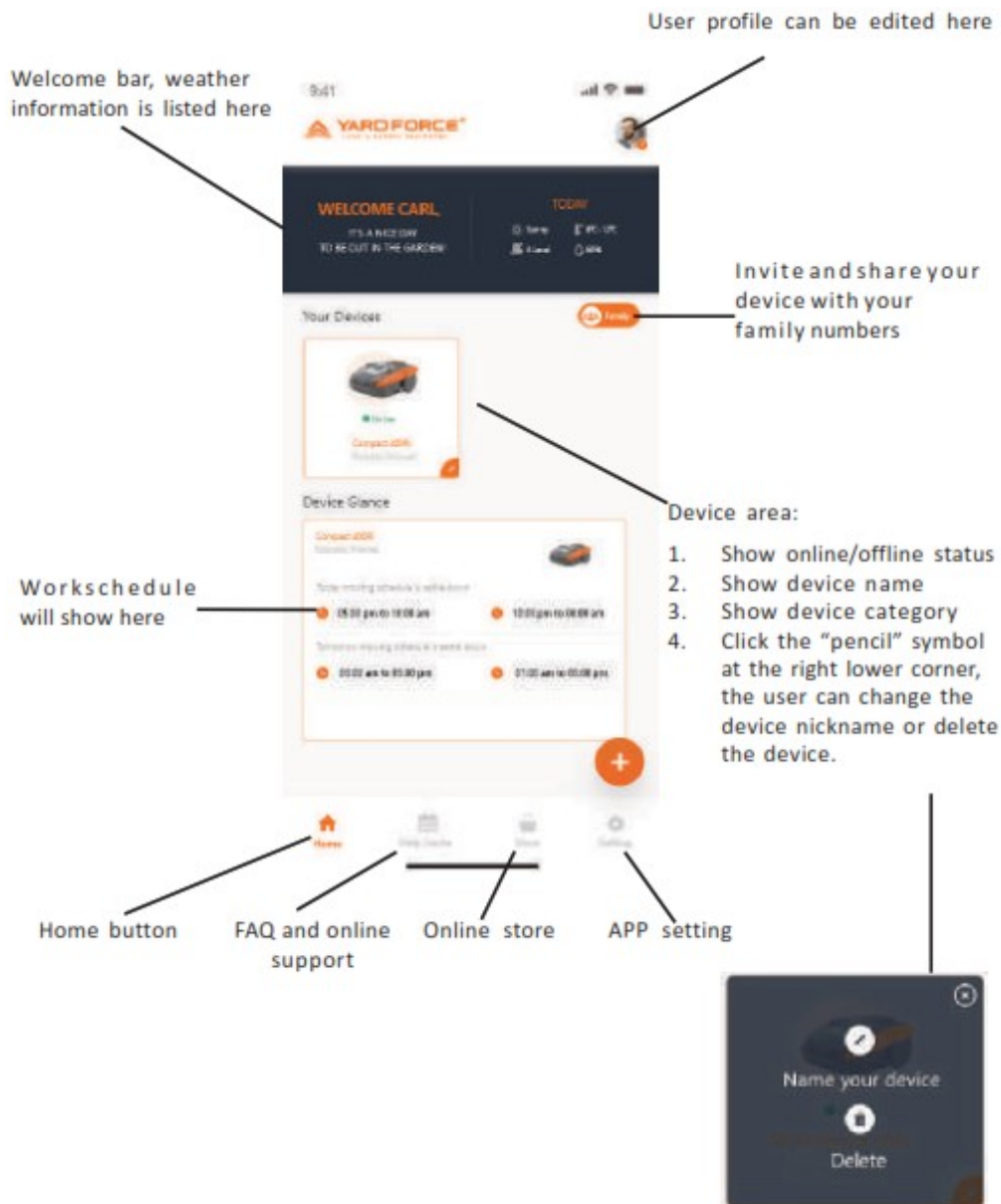
**G**



**H**

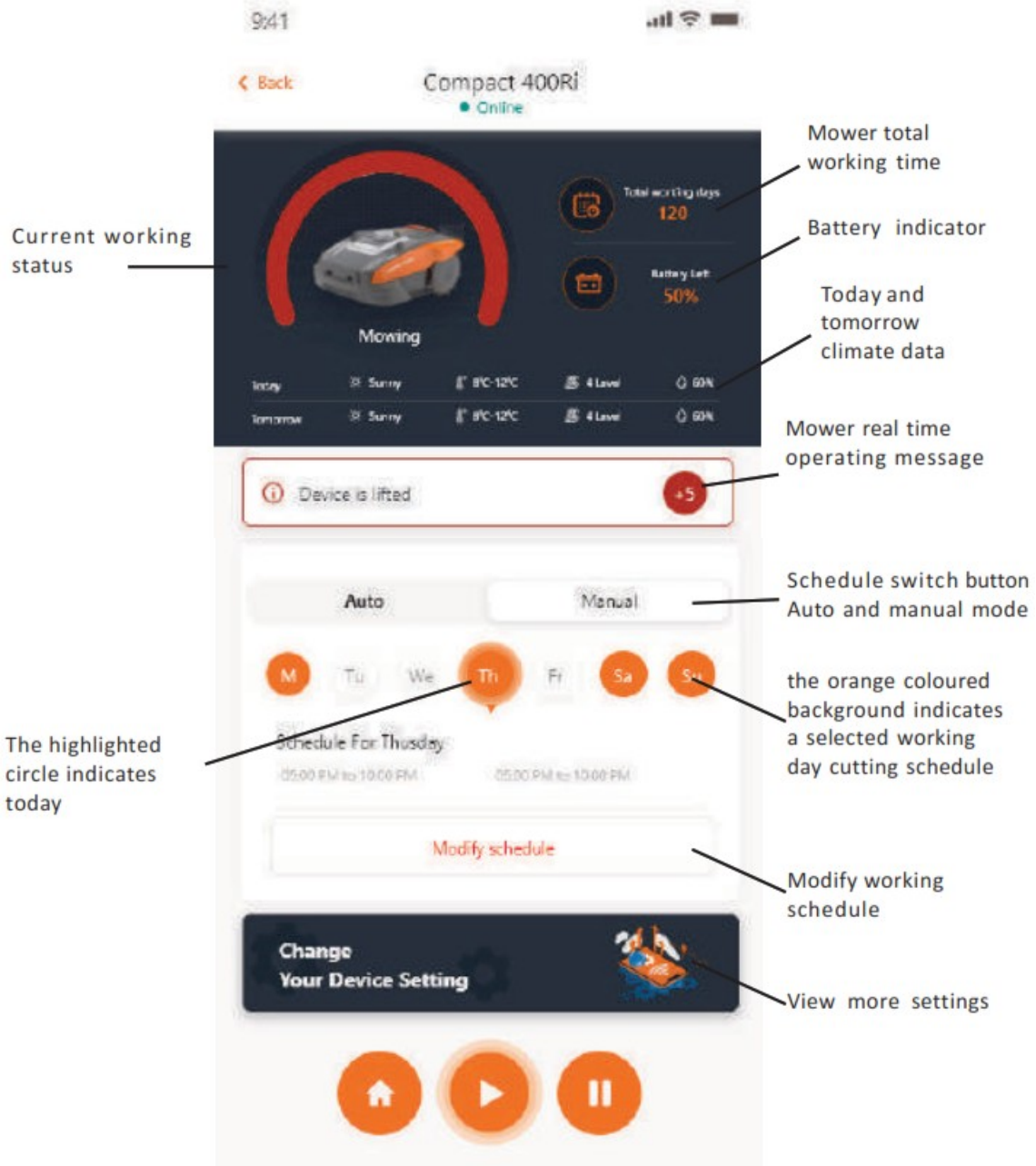
## APP Homepage

After the device is successfully configured, the device will show on the homepage.



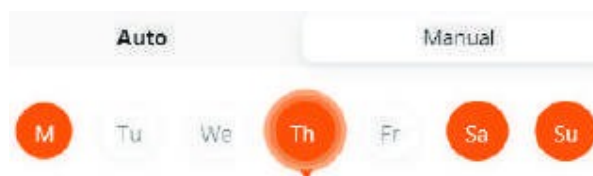
## Device Mainpage

After clicking the robot mower photo on the APP homepage, the user can enter robotic mower device mainpage.



## Work Schedule Settings

Choose either "Manual" or "Auto" to set up the work schedule.



### Manual mode:

Set two time ranges for each day, if the time slot is activated, then it will show "X" on the right top corner. Click the "+" and set the start and stop time, then this time slot will be activated.

### Auto mode:

With auto mode, the application needs more information about the lawn, then it can give the recommended working schedule. Input the lawn size, preferred working day and verify garden conditions (complicated or simple.) Once you click the "Generate" button, the application will generate a recommend value.

Manual Mode

Auto Mode

## System Time Setting

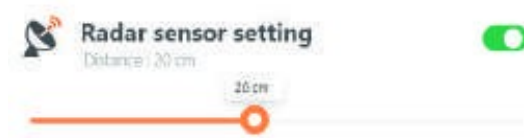
Set the mower system time automatically (based on your mobile phone time) and also set it manually

## Boundary Settings

- Trimming: edge cutting function on/off
- Width: Set how far the mower is allowed to go beyond the perimeter wire. (Function only for SA series, NX series, Revola series)
- Signal: Change from S1 to S2

## Ultrasonic Settings

The user can activate/disable the ultrasonic sensor and also can set the distance the robotic mower should stop and turn in another direction.



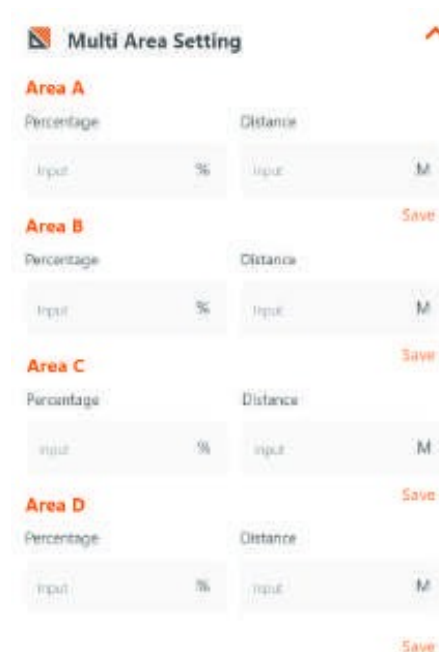
## Rain Sensor Setting

Activate/disable the rain sensor and also can set a delay when the mower should resume work after the rain.





## Multi-Area

Here you can define up to 4 different mowing areas. The “Percentage” means the expected working time in this area (the total working time can be treated as 100%). The “Distance” means the distance from the docking station along the boundary wire, to where the robot mower will turn into the lawn area. (Please notice that this function is only available on the NX series, Revola series machines).



## PIN Code Reset Setting

Here you can change the mower PIN code, the default PIN code is: 0000 (four times zero)


**Pin code reset**


Input your current PIN code

Input your new PIN code

Repeat your new PIN code

Cancel
Save

## About Device

Mower information will show here, including the mower name, related MAC address and also the firmware version. Via the “Update Firmware” button, the mower will check if there is a latest version which need be upgraded.


**About Device**

Robotic mower :	Compact 400Ri
MAC address	20:35:D3:Er:94:4t:90:66
Firmware version:	V 1.2.34


Update Firmware

## Notifications

When active, if the APP crashes all APP errors, are automatically forwarded to the manufacturer for optimization purposes.


**Notification/ Message Push**
☐

## Documents / Resources

	<p><a href="#">YARD FORCE CloudHawk App</a> [pdf] User Manual CloudHawk_6L_20221213, CloudHawk App, CloudHawk, App</p>
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