

Robotic Lawn Mower

>>>> No Boundary Wire <<<<<

RoboUP®



APP User Guide



Content	S
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1	APP	DOWNLOAD AND INSTALLATION	1
2	ACC	OUNT REGISTRATION AND LOGIN	1
3	BASI	IC INSTALLATION	3
	3.1 3.2 3.3	Step 1: Add a RoboUP® Mower Step 2: Installation Step 3: Create a Virtual Map	4
4	BLU	ETOOTH CONNECTION	. 15
	4.1 4.2	Build a Bluetooth Connection Delete Bluetooth Connection	
5	WI-F	-I CONNECTION	. 18
	5.1 5.2	Connect WI-FI by Bluetooth: Connecting WI-FI by using mower Soft Access Point (AP):	
6	MAF	P EDITING	. 22
	6.1 6.2 6.3 6.4 6.5 6.6 6.7 6.8	DELETE A MAP	.24 .28 .29 .31 34 .35
7	MO	WING SETTINGS	. 39
8	7.1 7.2 MOF	Selective Zone Mowing Customized Mowing Parameters	. 40
	8.1 8.2 8.3 8.4 8.5 8.6 8.7 8.8 8.9 8.10 8.11 8.12 8.13	EDIT MOWER NAME	.42 .44 .47 .48 .51 .52 .53 .55 .56 .57
9	ACC	OUNT	. 60
	9.1 9.2 9.3	Unbinding Mower Unsubscribe Log Out	. 62



1 APP Download and Installation

Scan the following QR code to download the RoboUP® APP installation file and follow the pop-ups to install the APP.



Android/iOS

2 Account Registration and Login

1) Open the RoboUP[®] APP on your smart phone and click the [Create an Account] button in the top right corner to enter the registration page.



2) Select the region or country where you are located and type in a valid e-mail address. Hit **[Send]** button to request a verification code.



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Register	
China	•
Enter email address	
Verification code	Send
Click [Send], and the verification code will email	be sent to your
OI have read and agreed to the Us and Privacy Policy	ser Agreement

- 3) Check your mailbox for an e-mail with the verification code. Enter the code into the APP and hit [Next].
- 4) Set a login password for your account security and tap the [Register and log in] button to log in.

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Set password	
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Password must have 6 to 20 digits, can letters, numbers, and is case sensitive.	contain
57	
N	
Υ	
Register and log in	

5) Click [Account Login], type in your account name and password and check the [I have read and agreed to the User Agreement and Privacy Policy] (after you have carefully read and agreed to it) and tap [Log in] to log in.





3 Basic Installation

The APP's basic installation guide will pop up in case you want to add a new device to your account.



3.1 Step 1: Add a RoboUP® Mower

Note: The default method to connect your smart phone with the mower is via Bluetooth. If you prefer Wi-Fi connection, click the Wi-Fi icon on the top right corner on the device list page and refer to *"5 Wi-Fi Connection"* to connect the mower to your Wi-Fi home network.



1) Select your mower model and tap [Step 1: Add RoboUP Mower] to enter the installation guide.



2) Long press the mower's On/Off button to power it up. Enter the PIN code (the default is 0000, for changing the PIN refer to "*8.10 Device PIN Code"*). Tap [Confirm] and [Done].



3.2 Step 2: Installation

Click **[Step 2: Installation]** to install the charging station and RTK base station according to the step prompts and animations.



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<	Installation Guide
	toboUP Mower
2 Insta	2 Start
3 Crea	3 e A Virtual Map

Note: If the RTK base station module in the package is already attached to the charging station, you have an "All-in-One" version. If the RTK base station module is packed separately, you own a "Split" type.

Refer to the following steps to finish Step2: Installation

1) **Unpacking**: refer to the guide to check if any parts are missing. If parts are missing, contact our RoboUP[®] service team: <u>service@iroboup.com</u>, otherwise click [Next Step].



2) Find a suitable location: A suitable location should be flat without obstacles within 2m of the charging station. Good Wi-Fi coverage is required. Once you have found a good spot return to the APP and check the ○ button at the bottom and click [Next step].



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< Installation	< Installation	< Installation	< Installation
Find a Suitable Location	Connecting to Satellite	Install RTK Station	Connecting to Satellite
 Open area with good GPS signal, far away from house, trees, etc. In range with good Wi-Fi signal Flat ground No obstacle within 2 meters of the charging station Finished 	Wait for RTK indicator to turn to solid blue (around 3 minutes). 9. Bue: Strong GPS signal 1. Bashing Blue: Weak GPS signal 1. Bashing Blue: Meak GPS signal 1. Bashing Blue	Tinished Next Step	Wait for RTK indicator to turn to solid blue (around 3 minutes). 9 Gell Blue: Strong GP S signal 9 Tashing Blue: Weak SPS signal 9 Solid Res: No GPS signal 9 For better GPS signal 1 Install RTK Station of roof or wall >> 10 RTK indicator is solid blue Next Step

NOTE: there are 2 extension cords: one for the charging station and another one for the RTK base station module.

3) Power up the charging station: If needed take the power extension cord and put it in-between the power adapter and the charging station. Then connect the power adapter to a mains electricity power socket to power up the charging station. Once completed, return to the APP and check the O button at the bottom and click [Next step].



4) **Connecting to Satellites:** Wait for at least 3 minutes to receive as many GNSS satellite signals as possible. Check if the signal indicator LED of the RTK base station modules turns solid blue. Once completed, return to the APP and check the ○ button at the bottom and click **[Next step]**.



Note: If the signal indicator LED of the RTK base station cannot turn solid blue for a long time, detach the RTK base station from the charging station and install it in another proper elevated location using the RTK extension cord. For details, click and view [Install RTK Station Separately].



5) **Fix the charging station:** After the previous steps are done well, use a wrench and fixing nails to fasten the charging station in the ground. Once completed, return to the APP and check the O button at the bottom, and click **[Done]** to return to the **[Installation Guide]**.





3.3 Step 3: Create a Virtual Map

3.3.1 Create the main boundary

Create a virtual map: Click [Step 3: Create a virtual map] to enter the mapping page. Check if the RTK icon on 1) the LCD User Interface (UI) display is [$\sqrt{}$]: if yes, check the \bigcirc button at the bottom and click [Next step].



2) Build the main boundary map (that is the lawn zone where the charging station is located): click [Create Zone 1]. Choose the method of mapping according to the lawn environment: "Auto mapping" or "Manual mapping".



a. Auto mapping: If the lawn has physical borders (fences, walls, etc.) click [Auto mapping] to enter the next page. Click [Start creating boundary]. First the mower will calibrate automatically. Once finished it will leave the charging station and automatically build a boundary along the edges/physical borders. After the mower has RoboUP® APP User Guide Rev2.0.0 (20240311) 8



almost fully returned to the charging station, wait for the pop-up window and click [Save] to save the map.



b. **Manual mapping**: If the lawn has NO physical borders click **[Manual mapping]** to enter the next page. If needed install the ruler from the package). Check O button at the bottom and click **[Start creating boundary]** to enter the manual mapping page. Once the mower has finished calibration, use the two thumb slide controllers to manually steer the mower generating a boundary along the edges. After the mower has almost fully returned to the charging station, wait for the pop-up window and click **[Complete]** and **[Save]** to save the boundary map.

Note: For a stable Bluetooth connection during mapping we recommend you walking behind the mower closely (max. 3m distance).









- **3.3.2** Create a secondary boundary or more boundaries
 - 1) If there is more than one area of lawn, click [Yes] for creating boundaries for additional zones. On the controller



page use the two thumb sliders and steer the mower to the new start point.



2) On the following page click **[Yes, the mower has arrived]**. Refer to **3.3.1 Create the main boundary** to choose the proper method for the mapping.



3.3.3 Map Erasing

Note: Presently this function is only supported in manual mapping. In case the mower has problems to work along the path of the boundary you need to fix this. Start this function and steer the mower to the starting point that needs to be modified.

1) On the manual mapping page, click the **[Eraser]** icon in the upper right corner to enter the map modification page. Use thumb sliders "up/down - left/right" for mower steering.







2) Once the mower has reached a point of the boundary that you want to modify, click **[Done]**. This part of the boundary will be erased. Continue now to create a corrected map.



3.3.4 Create a Passage

Once a secondary boundary has been mapped you need to create a passage to link it with the first zone (assuming that a proper physical pathway exists). For that click **[Yes]** on the pop-up prompt **[Please Create a Passage to Connect the Two Zones]**.





Make sure the length of the physical passage is between 0.5-20 meters. Click [Next] to enter the zone overview page. Use thumb sliders "forward/backward" and "left/right" and steer the mower to the starting point of the passage.

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<	Passage
 Contro to anot 	double confirm the RTK status () the mower go through one area her to create THE PASSAGE, the of the passage must be 0.5–20m
	Next





2) Now click **[Start creating passage]** and use thumb sliders to steer the mower trough the physical passage to link the two boundaries/zones on the map. Once finished tap **[Complete]** to save the passage.



3.3.5 Finish the Mapping

If there are any objects (pool, flower bed, sandbox, etc.) that you need to protect from the mower, click [No-go Zone] to create "no-go-zones". Once all boundaries, passages, and "No-go Zones" have been created, click [Save] to finish mapping. The next page shows a recommended mowing schedule. In order to overwrite it and set your own timetable click [Schedule Mowing].



2) The APP will eventually lead you to an introduction how to operate the keys and LC display of the mower's User Interface (UI) panel. Make sure you are familiar how to use it. Click [Start to use]. Now you can operate the mower by either the APP or the UI panel.





Note: For an in-depth guide how to edit maps, refer to "6 Map editing".

4 Bluetooth Connection

Note: To control the mower with a new phone via Bluetooth, you firstly need to decouple the mower from the current phone. After that follow *"Step 3: Create a Virtual Map"* in *"3 Basic Installation"* to couple the new phone to the mower via Bluetooth connection.

4.1 Build a Bluetooth Connection

 Tap [Add Device] or the [+] icon on the APP home page. Select your mower model and click [Step 1: Add your RoboUP Mower]. Follow the prompts to power up the mower. Click [Next]. When the device is found, click [Connect]. If the device cannot be found, click [Why can't I find my RoboUP mower?] to troubleshoot.





 Enter the PIN code of the RoboUP® mower (the default is 0000, which can be changed by referring to 8.11 Device PIN code). Click [Confirm] to start establishing a Bluetooth connection of the phone with the mower. Once the connection is established, click [Done] to return to the [Installation Guide] page.



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< Α	dd RoboUP Mowe	r Wi-Fi	<	Add Roboup Mower
	RoboUP Mower C			*
Pleas 8	se Enter The PIN C	ode	The O	
The default PIN code is 0000, but you can modify it within the APP.			The Connection Has been successfully established.	
Cance		Ifirm		
1	2 ABC	3 DEF		
4 вні	5 JKL	6 MNO		
7 PQRS	8			Done
	0	$\langle \times \rangle$		Done

4.2 Delete Bluetooth Connection

1) Click the **[Delete]** or **trash-can** icon under the mower on the home page. Click **[Confirm]** on the pop-up window to delete the phone's Bluetooth connection with the mower.





5 Wi-Fi Connection

Note: The mower's Bluetooth connection enables you to create boundary and passage maps, set mowing parameters and schedules and much more. In case you want to restore the mower to factory default settings or install "Over-the-Air" firmware upgrades (OTA FW) refer to the following steps to set up a Wi-Fi connection.

1) If there is no Bluetooth connection established: Tap [Add Device] or the [+] icon on the APP home page. Select your mower model. Click [Step 1: Add your RoboUP Mower]. Follow the prompts to power up the mower. Click [Next] and click [Wi-Fi] in the upper right corner to enter the Wi-Fi connection page.



2) If a Bluetooth connection is active already: Click the mower and tap the [More Functions] icon on the top



right corner to enter the next page. Click [Connect WiFi] to enter the Wi-Fi connection page.



5.1 Connect Wi-Fi by Bluetooth:

1) Select [Wi-Fi BT(Faster)] to enter [Connect to device] page. Select the mower and click [Connect to home Wi-Fi]. Type in the PIN code and tap [Confirm].

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Connect Wi-Fi	<	Connect to Device		< 0	Connect to Devic	9
	Search Y	′our Mower 🧿		Search Your M	Nower O	
		RoboUP_001	*	Enter	Connection Pas	sword
Send Wi-Fi information to mower via Bluetooth.		RoboUP_001	*	0		\bigvee
Wi-Fi BT (Føster)		RoboUP_001	*	Cance		onfirm
	a	RoboUP_00	*		Rhino_091211	
				1	2 АВС	3 DEF
		V		4 бні	5 JKL	6
Send Wi-Fi information to mower by connecting to mover's hotspot AP.				7 PORS	8 TUV	9 wxyz
W <mark>_Fi</mark> .P		Connect to home Wi-F			0	$\langle \times \rangle$
	W	iy can't I find my RoboUP mo	wer?			-

- 2) Enter the **[Connect to home Wi-Fi]** page, check whether the chosen Wi-Fi network is running on 2.4GHz frequency (5GHz networks are NOT supported).
 - a. If NO: click [Replace Wi-Fi] and select another available 2.4GHz network, enter the correct password and tap [Connect Wi-Fi].



b. If YES: enter the correct password and tap [Connect Wi-Fi].

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<	Connect to Home V	ViFi	<	Connect to Ho	me WiFi
C	¥ Will book Sarker ✓ WiFi-2.4GHz	?	Ĺ	¥ WiFi-2.4GHz	∻ 0
	Only supports 2.4GHz V network, doesn't support			Only supports 2.40 network, doesn't su	
and ent	select home 2.4GHz Wi-Fi l ter password. a1223	network name Replace WiFi	and en	select home 2.4GHz W ter password. a1223	Vi-Fi network name Replace WiFi
Pleas	se enter Wi–Fi password	- http:/	1234	567	\odot
				Connect W	7 //_Fi
		-			

3) The **[Connecting]** page informs about the connection status. Once connected and bound successfully, tap **[Confirm]** to go back to the APP home page.

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<	Connecting		<	Connection Successful	
Ta C	Connecting Connecting Ke 1-2 minutes, please w	reit		Connection Successful	

4) If the connection fails, try again and follow the steps above.

5.2 Connecting Wi-Fi by using mower Soft Access Point (AP):

1) Select [Wi-Fi AP] to enter [Turn On Device Soft AP] page. Follow the prompts to turn on the mower's Soft AP. Click [Connect to home Wi-Fi]





- 2) Enter the **[Connect to home Wi-Fi]** page, check whether the Wi-Fi network is running on 2.4GHz signal frequency (5GHz networks are NOT supported)
 - a. If NO: click [Replace Wi-Fi] and select another available 2.4GHz network, enter the correct password and tap [Connect Device Wi-Fi].
 - b. If YES: enter the correct password and tap [Connect Device Wi-Fi].

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<	Connect to Home	WiFi	<	Connect to Ho	ome WiFi
	¥ Wilson 3aar ✓ WiFi-2.4GHz	? ()		VIII-300, SGHz VIIFi-2.4GHz	? ①
Plance	Only supports 2.4GHz network, doesn't suppor	rt 5GHz	Plance	Only supports 2.4 network, doesn't su	ipport 5GHz
and ent	er password. a1223	Replace WiFi		r password.	Replace WiFi
Pleas	e enter Wi–Fi passwor	d m r	12345	67	\odot
		1–Fi		Connect device	se Wi-Fi

3) Click **[Go to Settings]** to open the smartphone's Wi-Fi settings interface. Select the mower's Soft AP. Get back to the RoboUP[®] App.



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<	Connect Device Wi-Fi	
	Wifi-Guest	
	✓ RoboUP_XXX 🔶	0
【R 【S 2. Ret	ase select the Wi-Fi network oboUP_XXX] in your mobile etting] - [Wi-Fi] . urn to App after successful nection.	
	Go to Settings	

4) On the **[Connecting]** page the connection status is shown. Once the connection and binding is successful, tap **[Confirm]** and return to the APP home page.



5) If the connection fails, try again and follow the steps above.

6 Map Editing

In case you need to edit an existing map, the tutorials below may be helpful.



6.1 Delete a Map

If you need to delete the whole map, or just parts (like No-go-Zones, or passages) of it, refer to the following steps: 1) Open the RoboUP[®] APP and tap the device. Click the **[Edit map]** icon on the right side of the screen.

- 16:38 0 94 94 58 50**/** 50**/** 84 0 ← 88 RoboUP 03E674 Connect via: Bluetooth * RoboUP_6D7EE0 🔲 100% 🛛 ВТК = Standby ₩ BTK = * 96% Standby 221.4 169.7 137.8min Lawn area Mowed area Mowed time - (\cdot) Me Home
- 2) On the [Edit Map] page, tap the $[\Xi]$ icon in the top right corner. Choose [Delete Map].



- 3) On the **[Delete Map]** page, choose the desired operation according to your needs:
 - a. **Delete the whole map**: tap **[Delete All]** in the top right corner. The whole map will be deleted. This is suitable for building a new map in a different/new lawn.



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<	Delete Map	Delete All
		•
Delete Bour	ıdary	2
Delete Bour Delete No-C		2
	Go Zone	
Delete No-G	So Zone	>

b. **Delete parts of the map**: tap the corresponding option at the bottom (for example: if you need to delete boundaries, tap **[Delete boundary]**. On the next page, click the **red [X]** icon on the boundary that you want to delete.

Note: if the main boundary is deleted the whole map (all zones and passages) will disappear.



6.2 Add a Boundary

If you want to add a boundary for a new area to an existing map or you need to create a entirely new map, refer to the following steps how to edit a map:



1) Open the RoboUP[®] APP home page and tap the device. Click the **[Edit map]** icon.



2) On the **[Edit map]** page, click **[Boundary]** at the bottom. The controller page will pop up. If the mower is not at the spot, where you want to add a boundary, use the thumb sliders and steer the mower to the desired starting point. Then tap **[Start]** to go next.

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<	Edit Map	≡
	ve any obstacles in the wa ese include toys, pile of le	
Boundary	No-Go Zone	Passage





3) On the **[Create a Virtual map]** page, choose the proper method of mapping according to the lawn environment: Auto mapping or Manual mapping.

Note: if the new boundary is the main one (which means the charging station is included), the mower will do auto calibration during the process. If it is not the main boundary, the mower will not do an auto calibration.

a. Auto mapping: If the lawn has visible physical borders (fences, walls,...) click [Auto mapping] to enter the next page [Mapping]. Make sure the RTK icon is √. Click [Start create boundary]. When creating a new main boundary the mower will calibrate once automatically. Thereafter it will drive out of the charging station and automatically build a boundary along the edges of the borders. When the mower is re-approaching the charging station a pop-up window is prompting you to save the map. Click [Save].







b. Manual mapping: If the lawn has no physical borders, choose [Manual mapping] to enter the next page.

Make sure the **RTK icon** is $\sqrt{1000}$. If needed install the carton ruler (see packaging) and check \circ button at the

bottom. Click **[Start create boundary]** to enter the **[Manual Mapping]** page. Once the mower finished calibration, use thumb sliders on the controller page and steer the mower manually building a boundary path along the edge. When the mower is re-approaching the charging station a pop-up window is prompting you to save the map. Click **[Complete]** and **[Save]**.

Note: For a stable Bluetooth connection during mapping we recommend you walking behind the mower closely (max. 3m distance).



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6.3 Map Erasing

Note: Presently this function is only supported in manual mapping. In case the mower has problems to work along the path of the boundary you need to fix this. Start this function and steer the mower to the starting point that needs to be modified.

1) On the manual mapping page, click the **[Eraser]** icon in the upper right corner to enter the map modification page.





2) Use the thumb sliders and steer the mower to the starting point of the boundary path you want to modify.



3) Steer the mower back to the point of the boundary that needs to be modified. Click **[Done]** to erase this segment of the boundary and continue to create a corrected map afterwards.



6.4 Create a No-go Zone

If there are trees, swimming pools, trampolines, etc. in the middle of the lawn, it is recommended to create "No-go Zones" instructing the mower to avoid them.

1) Open the RoboUP[®] APP and tap the device on the home page. Click **[Edit map]** icon on next page.





2) On the **[Edit map]** page, click **[No-Go Zone]** at the bottom and tap **[Next]** after reading the tip how to go to the controller page.



3) If needed use the thumb sliders and steer the mower to the starting point of the boundary path of the future "No-go Zone". Tap [Start] to go next.





4) Use the thumb sliders and steer the mower running full circle around the object that you want to put into a "No-go Zone". Tap [Complete] to finish the process.



6.5 Create a Passage

If you have created more than one boundary and if there is a physical path for the mower to use travelling from one zone to the other, a **[Passage]** must be created to link the zones:

1) Open the RoboUP[®] APP and tap the device. Click the **[Edit Map]** icon.



2) On the **[Edit Map]** page, click **[Passage]** at the bottom and on next page tap **[Next]** after reading the tip how to go to the controller page.





3) If the mower is not at the spot where you want to start creating a passage, use thumb sliders and steer it to the start point. Tap **[Start]** to go next.



4) Use again the thumb sliders to steer the mower through the physical passage to link the two boundary zones on the map. Tap **[Complete]** to save the passage and tap **[Save]** to save the map.







- 5) If the charging station is installed in a zone outside the boundary, it requires a passage between the charging station zone and the boundary zone. Otherwise, the mower will fail returning to the charging station:
 - a. When creating the main boundary, not including the charging station, a pop-up window will prompt you to create a passage after completing the map building. Click **[OK]** to start creating the passage between zones.



b. Use the thumb sliders and steer the mower to the starting point for the passage. Tap [Start] to go next.



c. Use the thumb sliders again and steer the mower through the passage linking the zones. Tap [Complete] to save the passage.





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(e.g. aroi shrubs, e	reate No-Go zones where n und swimming pools, flower tc) so that RoboUP can de efficient mowing path.	beds,
Boundar	and the second	Passage

6.6 Dangerous Boundary

If the boundary has no physical border and is near to a cliff, we recommend using the "Dangerous Boundary" function.

1) Open the RoboUP[®] APP and tap the device on the home page. Click **[Edit map]** icon on next page.



2) Tap the $[\Xi]$ icon on the top right corner and on next page select **[Dangerous Boundary]** option.




3) On the map page [Add Dangerous Boundary], tap on the boundary to set "A" as the start point and "B" as the end point. Tap [Save] on the top right corner to save the dangerous boundary. If you need to modify the settings, click [X] and try again.



6.7 To-Go Zone

In rare events you may want to turn off RoboUP[®] AI obstacle avoidance functionality. To give an example: the AI usually avoids a cobblestone area, but you want to instruct the mower to ignore this and cut the grass growing in-between the stones.

1) Open the RoboUP[®] APP and tap the device on the home page. Click the **[Edit map]** icon on next page.





2) Tap the $[\Xi]$ icon on the top right corner and select the **[To-Go Zone]** option.



3) If the mower is not at the spot where you want to start creating a To-Go Zone, use the thumb sliders and steer it to the starting point. Tap [Start] to go next.





4) Use again the thumb sliders and steer the mower to create a boundary of the "To-Go Zone" on the map. After that, tap **[Complete]** to save the "To-Go Zone".



6.8 Edit Map Name

If there is a need to rename the mapped zones, the following steps will help.

1) Open the RoboUP[®] APP and tap the device on the home page. Click **[Edit map]** icon on next page.





2) Tap the $[\Xi]$ icon on the top right corner and select the **[Edit map name]** option.



3) On the [edit map] page, tap the original name of the zone, then modify it and click [Confirm] to save it.





7 Mowing Settings

7.1 Selective Zone Mowing

On the map page, tap the green circle icon of the zone that you want to mow, then click **[Mow]** to mow the selected zone.

Note: A zone/area cannot be selected when the mower is busy (mowing or returning to the charging station). Wait until the current task is completed or the mower is in the charging station. Now you can chose a zone for mowing.





7.2 Customized Mowing Parameters

1) On the map page, tap the green circle icons of the zones. Click **[Mapping settings]** icon to enter the **[Mowing settings]** page, where you can set the mowing height, mowing path type and mowing angle, either for the whole lawn or selected zones.

Note: If you need to customize the mowing schedule for different zones, refer to 8.3 Schedule Mowing.



Note: Avoid creating customized mowing parameters with an underlying poor quality map, which was created when the RTK signal wasn't """ during mapping.

2) The mowing angle can only be changed when a **[Single]** mowing path is selected. Click "?" for more detailed info.

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<	Mowing settings	Save	<	Explanation
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	Laven1			
	View parameters \land		Partitione	ed
Cutting h	eight			will be divided into different areas to the shape, and the mower will
60mm	50mm 40mm	30mm		at an optimal angle in each area.
Mowing p	bath control ? Single Pa	urtitioned		
Mowing a	angle setting			
-	90°	+		

RoboUP® APP User Guide Rev2.0.0 (20240311)



8 More Functions

8.1 Edit Mower Name

If you want to change the name of the mower, refer to the following steps how to do this.

Note: For changing mower's name it must be connected to Wi-Fi home network.

1) Open the RoboUP[®] APP and tap the mower. On the map page, tap the **[More Functions]** icon on the top right corner to enter the **[More Functions]** page.



2) Click the original name of the mower on the top, modify as needed and tap [Save] to save it.



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Com	mon Functions	
¢	Mowing Sertings	>
0	Spat_Cutting	ž
C	Schedule Mowing	2
	Remote Control Mode	2
	Device Log	×
0	Rain Mode ON	1 >
0	Blades Replacement	2
0	Anti-theft OFF	2
Ŗ	No Mowing OFF	ŝ,
(Connect Wi-Fi	2
Basic	Information	
	Device Information	>

8.2 Spot Cutting

If you want to mow some smaller grass spots, use the [Spot Cutting] function according to the following steps:

1) Open the RoboUP[®] APP and tap the mower. On the map page, tap the **[More Functions]** icon in the top right corner to enter the **[More Functions]** page.



Click [Spot Cutting] to enter the [Spot Cutting] page. Tap the button in the lower right corner to enter [Remote control mode]. Work the thumb sliders and steer the mower to the wanted destination. Click the [X] icon on the upper right corner to return to the page.





3) To modify the cutting height, click the **[height]** icon on the left. Select the preferred height and click **[Save]** and click the **[X]** icon to return to the previous page. Now tap **[Start]** below to start auto **Spot Cutting**.



RoboUP® APP User Guide Rev2.0.0 (20240311)



Note: On the [Spot cutting] page, you can choose square spot cutting(2m*2m).



8.3 Schedule Mowing

Note: Use the APP in Bluetooth or Wi-Fi connection mode to set up Schedule Mowing.

1) Open the RoboUP[®] APP and tap the mower. On the map page, tap the **[More Functions]** icon on the top right corner to enter the **[More Functions]** page.



2) Tap [Schedule Mowing] to enter the [Schedule Mowing] page. There you find the lawn area and estimated mowing time. Refer to the corresponding steps to add, edit, enable, disable or delete the mowing schedule.



14:56 🛡	19 4 194 (5 1)	16:46 😈	50 50 EED
	ns	< Schedule	e Mowing 🕀
Mower (8) (9)		33.2 (m ²) Lawn area	0.25(h) Estimated time
Common Functions		16:46-16:49 Z Once	
😥 Mowing Settings	>	16:50-16:53 🖉	
Spot Cutting	>	Once	
Schedule Mowing	2	16:54-16:55 ℤ Once	
Remote Control Mode	>	16:56-16:59 🖉	
Device Log	>	Once	
🔒 Rain Mode	on >	17:00-17:05 🖉	
O Blades Replacement	2	Once	
() Anti-theft	OFF >		
Ro Mowing	OFF >		
😑 Connect Wi-Fi	2		
Basic Information			
Device Information	>		

3) Add a new mowing schedule: Tap [+] on the top right corner, set start time and end time for the mower to mow the lawn. Select the working day under [Repeat] and select the zones to customize the mowing schedules. After that, tap [Save] to save the settings.



4) Edit the existing mowing schedule: In order to modify details of the schedule, click the click the click the local start editing. Once finished tap [Save] to save the new settings. You can also delete a schedule.



16:46 🖸		50	⁵⁶ 4 🔛	16:46 🕻	5				50 5	9
<	Schedule Mov	<i>v</i> ing	\oplus	<		Tin	ne Editi	ng		Delete
33.2 Lawn a		0.25(h) Estimated tin		S	itart time			E	End time	9
			?	15		45	I F	15		48
16:46-16:4	9 2			16	:	46		16	:	49
Once				17						
16:50-16:5	3 🖉			Repe	at					
Once				Sun	Mon	Tue	Wed	Thu	Fri	Sat
16:54-16:5	5 🖉			Selec	t map					
Once										
16:56-16:5	9 🖉									
16:56-16:5 Once	9 🖉									
								6		
Once			0		Lawn3	ļ) awn1	
Once 17:00-17:0					Lawn3		Lawn2		awn1	
Once 17:00-17:0					Lawns		O Lawn2		Dawn1	
Once 17:00-17:0					O Lawn3		O Lawn2		awn1	
Once 17:00-17:0					Lawn3		O Lawr?		awn1	
Once 17:00-17:0					Lawn5		-Q Lawr2		awni	
Once 17:00-17:0					Lawră		Lawn2		awn1	

5) **Delete the existing mowing schedule**: In order to delete an existing schedule, long press the schedule, then tap **[Confirm]** to delete it.

16:46 😈			⁵⁰ 4 ⁵⁰ 4 (33)
<	Schedule	Mowing	\oplus
	5.2(m ³) vn area	0.2 Estimate	Construction of the second
16:46-16 Once	5:49 🖉		
16:50-10 Once	5:53 🖉		
16:54-16 Once	5:55 🖉 Confirm to delet	te this schedule?	
16: Onc	Cancel	Confirm	
17:00-17 Once	7:05 🖉		

6) **Disable or enable the existing mowing schedule**: In order to keep a mowing schedule but put it in sleep mode, just tap the slider button to disable it. Tap the slider button again to re-enable the schedule.



Schedule Mowing ⊕ 588 (m) 10 (n) Area of Iawn Estimated time 11:00-12:00 @ ● 11:00-12:00 @ ● Sun, Tue, Thu, Sat ●
Area of lawn Estimated time 11:00-12:00 @ Image: Comparison of
Everyday Mapname 11:00-12:00 2
State State and the state state and the state state and the state sta
Mapname, mapname

8.4 Remote Control Mode

In order to move the mower to a peculiar spot, the [Remote Control Mode] function will be helpful:

1) Open the RoboUP[®] APP and tap the mower. On the map page, tap the [More Functions] bicon on the top right corner to enter the [More Functions] page.



2) Click [Remote Control Mode] to enter the next page. Use the thumb sliders "up/down – left/right" and steer the mower as needed.

Robo <mark>up</mark>)
----------------------	---

	14:56 😈	19 4 194 (5)	
	Mower (8) (9)		
	Common Functions		
	🐯 Mowing Settings	>	
	Spot Cutting	>	
	C Schedule Mowing	2	
	Remote Control Mode	>	
	Device Log	5	
	Rain Mode	ON >	
	O Blades Replacement	×	
	() Anti-theft	OFF >	
	Ro Mowing	OFF >	
	Connect Wi-Fi	2	
	Basic Information		
	Device Information	>	
RTK *			
		LA	
	•	> « ● »)
Ċ	mapping		
	-		

8.5 Device Log

1) Open the RoboUP[®] APP and tap the mower. On the map page, tap the **[More Functions]** icon on the top right corner to enter the **[More Functions]** page.





2) Click [Device Log] to enter the [Device Log] page, where you can check the Error Log and Work Log.

14:56 😈	200 P.0 (5)	14:37 0		*** *** 82	14:37 0	\$ ⁵⁰ 5282
K More Functions		К р		Clear	< р	
Mower		Error log	Wo	rk log	Error log	Work log
		Mower was lifted.P Time:01/02/2024 15:0		v position.		
Common Functions		Mower was lifted.P	Put it down on nev	v position.		
😥 Mowing Settings	>	Time:01/02/2024 14:4				
Spot Cutting	>					
C Schedule Mowing	>					
Remote Control Mode	>					0.12
Device Log	×				. 🧐	周 .
Rain Mode	on >					
Blades Replacement	>					
Anti-theft	OFF >					
Ro Mowing	OFF >					
😑 Connect Wi-Fi	>					
Basic Information						
Device Information	>					

8.6 Rain Mode

Note: If you don 't want the mower to work on rainy days to avoid damaging the grass, you can turn on rain mode. When the mower detects rain now it will go back to the charging station. Mowing will be resumed once the rain has stopped, mower's rain sensor has dried, and the delay time has run out.

1) Open the RoboUP[®] APP and tap the mower. On the map page, tap the **[More Functions]** icon on the top right corner to enter the **[More Functions]** page.





2) Click [Rain Mode]. Tap/toggle the button to enable/disable Rain Mode.

14:56 🖸		51	9:41		.al 🗢 🔳
			<	Rain mode	Save
Mower (3) (3)			Rain mode		
			Delay time		
Common Functions			1H		
😥 Mowing Settings		>	2H		
Spot Cutting		>	зн		
C Schedule Mowing		2			~
Remote Control Mode		>	4H		
E Device Log		×	5H		
<u> Rain Mode</u>	ON	>	automatically	ction is enabled, the mowe return to the charging sta n. After the rain on the sen	tion once
O Blades Replacement		>		ill continue to work 3 hours	
① Anti-theft	OFF	×			
Ro Mowing	OFF	>			
😑 Connect Wi-Fi		2			
Basic Information					
Device Information		>			

3) Click [Delay time] to enable it and select the amount of time the mower will wait after rain has stopped (sensor has dried), grass has dried up and RoboUP[®] will resume mowing.



9:41		
9:41	Rain mode	Save
`	Rain mode	Save
Rain mode	9	
Delay time		
1H		
2H		
ЗН		~
4H		
5H		
automaticall it detects ra	nction is enabled, the mowe ly return to the charging sta in. After the rain on the ser will continue to work 3 hour	ation once nsor dries,

8.7 Blades Replacement

Note: When a new set of blades has been used for about 200 hours, refer to the [Replacing steps] to use another screw holes.

1) Open the RoboUP[®] APP and tap the mower. On the map page, tap the **[More Functions]** icon on the top right corner to enter the **[More Functions]** page.



2) Click **[Blades Replacement]** to enter the next page, where you see the remaining life time before replacement is needed.



14:56	C .	94 °4 (5)	14:55 °C	* ** ** ** **
			<	Blades Replacement
-	Mower 8 (1)			6 6 6
Com	mon Functions			777 494 778
ŝ	Mowing Settings	>		
0	Spot Cutting	>	_	
0	Schedule Mowing	>		100%
	Remote Control Mode	>	Availab	le time:400 h 0 min
	Device Log	>		ne remaining 1%, it is recommended to the blades.
Ô	Rain Mode	ON >	Replacem	nent steps >
0	Blades Replacement	>	After rep	placement, you can click [I have replaced]
0	Anti-theft	OFF >	to recalc	ulate the life of the blades.
Ŗ	No Mowing	OFF >		l have replaced
3	Connect Wi-Fi	>		
Basic	c Information			
	Device Information	>		

3) The blades have 2 mounting holes. After app. 200hrs you maybe want to turn the blades by 180 degrees for more efficiency. For more details click the [Replacement Steps] for reference. If you prefer to install a new set of blades click the button below [I have replaced] and the time will reset.

14:55 °	**** ***	14:46 # 	* 50A 50A 10	14:55 °	* *** *** ***
<	Blades Replacement	<	Replacement Steps	<	Blades Replacement
	222 474 222	1. Turn off the 2. To avoid scr clean surfac 3. Use a cross- screws. 4. Remove the	atching, place the mower on a soft and te in an upside-down position. tip screwdriver to loosen the three screws and blades. new blades and screws. Make sure the		2224 2224 2227
	100% time:400 h 0 min remaining 1%, it is recommended to be blades.			When th	100% He time:400 h 0 min He remaining 1%, it is recommended to the blades.
Replaceme	ent steps >			Replacen	hent steps >
	acement, you can click [] have replaced] late the life of the blades. I have replaced				placement, you can click [I have replaced] culate the life of the blades.

8.8 Anti-theft

The mower will be auto-locked when it is moved outside of the mapped area. For re-activated the mower enter the correct PIN code. To keep the mower safe, it is recommended to enable the **[Anti-theft]** mode.

1) Open the RoboUP[®] APP and tap the mower. On the map page, tap the **[More Functions]** icon on the top right



corner to enter the [More Functions] page.



2) Click [Anti-theft] to enter the next page. Tap the slider button to enable/disable the mode.

14:56 😈	1941 1941 (51	9:41	ul ≎ ■
		< An	nti-theft
Mower ()		Anti-theft	
			beeping alarm will sound eds the boundary by 8m
Common Functions			
🔯 Mowing Settings	>		/ \
Spot Cutting	>		/ \
Schedule Mowing	2		ት ሰ
Remote Control Mode	>		
E Device Log	5		
🔒 Rain Mode	on >		
O Blades Replacement	>		
() Anti-theft	OFF >		
🐺 No Mowing	OFF >		
🕤 Connect Wi-Fi	2		
Basic Information			
Device Information	5		

8.9 No Mowing

To prevent mowing at specific times, night mode can be selected according to the steps below:

1) Open the RoboUP[®] APP and tap the mower. On the map page, tap the **[More Functions]** icon on the top right corner to enter the **[More Functions]** page.





2) Click [No Mowing] to enter the next page, then tap the slider button to enable/disable No Mowing Mode.

14:56 😈	124 °24 (5)	9:41		.ul 🗢 🔳
		<	No Mowing	Save
Mower		No Mowir	ng	
			protection and safety, it is ded to enable No Mowing./	
Common Functions			enabled, the mower will no	
😥 Mowing Settings	>			
Spot Cutting	>			/ \
Schedule Mowing	>			4 4
Remote Control Mode	>			
E Device Log	×			
🛕 Rain Mode	on >			
Blades Replacement	>			
Anti-theft	OFF >			
🐺 No Mowing	OFF >			
🕤 Connect Wi-Fi	>			
Basic Information				
Device Information	>			

3) After enabling, set the start time and end time for the mower to stop and resume mowing.



9:41		.ıl ≎ ■	9:41		.ul 🔶 🔳
<	No Mowing	Save	<	No Mowing	Save
No Mowing	9		No Mowing		
Start time		20 : 00 >	Start time		20 : 00 >
End time		06 : 00 >	End time		
	ed to enable No Mowing.A enabled, the mower will no et time.	it work		ic enable No Mowing oled, the mower will i me. Start Time	
			18	:	
			19	:	00
			20	:	30
			20	•	50

8.10 Device Information

In order to check out the mower's basic device information (MAC address, Serial Number, firmware version, etc) in the RoboUP® APP following steps will help:

1) Open the RoboUP[®] APP and tap the mower. On the map page, tap the [More Functions] icon on the top right corner to enter the [More Functions] page.



2) Tap **[Device Information]**. The map page now shows basic device information. Click **[More]** for additional information.



14:56 🐨	1947 -4 (5)	18:25	୦ଁ ≱ ^{0.40} ເພ "n °n (42)	18:25	전 ¥ 0.45 📾 씁비 액비 42
		< Device Inf	ormation	< Device In	formation
Mower (a) (a) (a) (b) (b) (b) (b) (b) (b) (b) (b) (b) (b		Wi-Fi name	mmmmm	SN	SN8487D623318
		Wi-Fi signal strength		Firmware version	3.4.01
🗛 Rain Mode	ON >	AP name RoboUI	P_a1ol510wymU_6D7848	IP	73
Ø Blades Replacement	>	MAC	B813326D7848	Bluetooth name	RoboUP_6D7848
1 Anti-theft	OFF >	SN	SN8487D623318	Didetootin name	100001_007040
R No Mowing	OFF >	Firmware version	3.4.01	RTK station GPS	-
😑 Connect Wi-Fi	>	\	0.4.01	Mower GPS	7 3
Basic Information		IP		RTK DC	
Device Information	>	Bluetooth name	RoboUP_6D7848	Mower DC	ж:
Device PIN Code	>	Mo	e∽	VSLAM	V3.3.03
🔂 Device Upgrade	3.4.09 >			Namori Cangangan (b. 241) So	1040110001755
				Planer	V3.4.01 1208_1755
Unbind the device				Main board	
				RTK station MCU	-
				Fol	ding^

8.11 Device PIN Code

1) Open the RoboUP[®] APP and tap the mower. On the map page, tap the **[More Functions]** icon on the top right corner to enter the **[More Functions]** page.



2) Click [Device PIN Code] to enter the page. Tap the [Change PIN Code] button, enter the new PIN code and click [Confirm] to save it.





8.12 Device Upgrade

Note: Before upgrading the mower firmware, refer to chapter "5: Wi-Fi Connection", explaining how to access the Internet using your Wi-Fi home network. Internet availability can be checked on the mowers LCD UI (look for Wi-Fi icon). The mower must have good/strong Wi-Fi signal reception for a smooth firmware upgrade.

1) Open the RoboUP[®] APP and tap the mower. On the map page, tap the [More Functions] icon on the top right corner to enter the [More Functions] page.



2) Tap [Device Upgrade] option. On the next page click [Download and install] and confirm to enter the



automatic firmware upgrade process. The upgrade process will be finished within app. 15 minutes depending on FW file size and network speed.



3) Once the firmware upgrade is finished check on the **[Device Upgrade]** page if the current version is the latest one.





8.13 Factory Reset

Note: Note: Before restoring the mower's factory settings, refer to chapter "5: Wi-Fi Connection" explaining how to access the Internet using your Wi-Fi home network. Internet availability can be checked on the mowers LCD UI (look for Wi-Fi icon). The mower must have good/strong Wi-Fi signal reception for a smooth factory reset operation.

1) Open the RoboUP[®] APP and tap the mower. On the map page, tap the **[More Functions]** icon on the top right corner to enter the **[More Functions]** page.



2) On the page bottom click [Unbind the device] and in the pop-up window select [Unbind and restore to factory



settings].



3) On the pop-up prompt, tap **[Confirm]** to go next and **Enter PIN code** to restore factory settings once you tap **[Confirm]** again.



9 Account

9.1 Unbinding Mower

Note: As long as you have a mower in your account that has been bound via Wi-Fi, you can unbind it regardless of whether the mower is online at the time.



1) Open the RoboUP[®] APP and tap the mower. On the map page, tap the [More Functions] icon on the top right corner to enter the [More Functions] page.



2) On the page bottom click [Unbind the device] and on next page pop-up window select [Unbind device only].



3) On the pop-up prompt, read the notes carefully and click **[Confirm]** to unbind the mower from the account.





9.2 Unsubscribe

Selecting the wrong country or region could cause a failure to bind the mower. You need to unsubscribe and re-register the account with correct settings.

1) Open the RoboUP[®] APP and click the **[Me]** icon at the bottom's right corner to enter the next page.



2) Click [Account Name] below the Profile Photo to enter the next page.



9:41	■ \$ In.
这是该用户最长的名称	
 Message center Language 	> English >
P Help and feedback	>
分 Version update	>
(i) About	>
Home	<mark>B)</mark> My

3) Click **[Unsubscribe]** on the page bottom to enter the next page.

9:41		.ıl ≎ ■
<	Personal center	
Avatar		2 >
Nickname		A001 >
Account	729109091@robout	o.tech
Server	3	China
Connection Lo	ocation Ger	many
Change passw	vord	>
	Log out Unsubscribe	

4) In order to get a *Verification Code* click [Send]. Wait for a moment before you check your mailbox for an e-mail with the *Verification Code*. Finally enter the *Verification Code* into the APP and click [Unsubscribe].



9:41		al 🗢 🖿	9:41	m ≥ ∎
<	Unsubscribe		<	Unsubscribe
	ation code has been email @qq.com, please check it.	8 S. 1988		tion code has been emailed to qq.com, please check it.
Enter ve	rification code	Send	123456	59s Resend
Atter unsubs	Unsubscribe	i willoe geared.	After unsubsci	Unsubscribe

9.3 Log Out

If you did not login to your account for a while you need to re-activate the token. To accomplish that logout first and re-login afterwards:

1) Open the RoboUP[®] APP and click the **[Me]** icon on the page's bottom right corner to enter the next page.



2) Click [Account Name] underneath the Profile Photo to enter the next page.



9:41 这是该用户最长	! २ = 9 988 >
 Message center Language Help and feedback Version update About 	> English >
L. Home	ee My

3) Click **[Log Out]** on the page bottom to log out from the account.

9:41		.ul ≎ ■
<	Personal cente	r
Avatar		2.>
Nickname		A001 >
Account	729109091@	roboup.tech
Server	П	China
Connection L	ocation	Germany
Change passv	word	>
	Log out Unsubscribe	