



Contents

1 APP DOWNLOAD AND INSTALLATION	1
2 APP REGISTER AND LOGIN	1
3 BASIC INSTALLATION	4
3.1 Step 1: UNPACKING	4
3.2 Step 2: Installation	5
3.3 Step 3: Add Your RoboUP Mower	9
3.4 Step 4: Create a Virtual Map	
4 WI-FI CONNECTION	20
5 MAP EDITING	26
5.1 Delete the existing map	
5.2 Add a Boundary	
5.3 Create a No-go Zone	
5.4 Create a passage	
6 FIRMWARE UPGRADE	
7 CUTTING HEIGHT ADJUSTING	
8 SCHEDULE MOWING	
9 FACTORY DEFAULT	45
10 ACCOUNT UNBIND	



1 APP Download and Installation

Please scan the following QR code to download the RoboUP APP installation file and follow the

pop-ups to install the APP.



Android/iOS

2 APP Register and Login

1) Open the RoboUP APP on your mobile phone, and click the **[Register]** button in the top right

corner to enter the registration page.



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	Register
Rol	
Enter email addr	655
Enter password	
Forgot password?	Mobile Number login
and Privacy Policy .	e to the User Agreement
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2) Select the region or country where you are located and type in an available e-mail address and hit

[Send] button to receive a verification code.

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Enter en	nail address		Ŷ
Enter ve	irification co	ide	Send
		Phone n	umber register
	end], and the your email.	verification c	ode will be

3) Please check the verification code in your e-mail inbox and type it in the APP, then hit the [Next].



 Set a login password for your account' s security, and tap the [Register and log in] button] to go back to the login page.

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<	
Set password	
Set a new password	
Password must have 6 to 20 digits, can o numbers and is case sensitive.	ontain letters,
∇	
Register and log in	n
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5) Type in your account with the password and check the [I have read and agree to the User

Agreement and Privacy Policy] after you read and agree to it, then tap the [Next] to log in.



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Enter password	يلتور
Forgot password?	Mobile Number logir
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and Privacy Policy .	

3 Basic Installation

The basic installation guide will pop up when add a device in the APP.

3.1 Step 1: Unpacking

- 1) Click the [Add device] on the home page to enter [Installation Guide].
- 2) Tap the [Step 1: Unpacking] to enter the unpacking page to check if any parts are missing. If any parts are missing, please contact the RoboUP service team: <u>service@roboup.tech</u>; if nothing is missing, you can click the [Next Step].





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.





1) **Find a suitable location**: It is required to be flat without obstacles within 2m of the charging station, and it should be with good Wi-Fi coverage. After the operation is completed, return to the APP and check the () at the bottom, and then click **[Next step]**.

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<	Installation	
Find a Su	itable Location	
		à
away fro • Good Wi • Flat grou	cle within 2 meters o station	

2) Power on the charging station: Take out the power extension cord (Please note there are 2 extension cords, one is for the charging station and another is for the RTK base station) and power adapter, connect one end of the extension cord to the power adapter, and the other end to the charging station, then plug the power adapter into the socket to power on the charging station. After the operation is completed, return to the APP and check the () at the bottom, and then click [Next step].



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3) Turn on the mower: Long press the power button on the mower to power it on, then put the mower into the charging station. After the operation is completed, return to the APP and check the O at the bottom, and then click [Next step].





4) **Connecting to Satellite:** In order to obtain more satellite signals, please wait for 3 minutes to check if the signal indicator of the RTK base station turns solid blue. After the operation is completed, return to the APP and check the O at the bottom, and then click **[Next step]** to enter the next step.

If the signal indicator of the RTK base station cannot turn blue for a long time, detach the RTK base station from the charging station and install it in another proper location. For the detailed steps, please click and view [Install RTK base station separately].



5) **Fix the charging station:** Use a wrench and fixing nails to fix the charging station on the ground. After the operation is completed, return to the APP and check the \bigcirc at the bottom, and then click [**Done**] to return to [**Installation Guide**] page.





3.3 Step 3: Add Your RoboUP Mower

There are two methods to connect your RoboUP mower on the APP: **Bluetooth pairing and Wi-Fi pairing**. Bluetooth pairing is a quick connection, while Wi-Fi pairing will support more functions, like factory default and OTA firmware upgrade. Here is the introduction of the Bluetooth pairing, for the Wi-Fi pairing, please refer to the tutorial on Wi-Fi connection.

1) Click **[Step 3: Add your RoboUP Mower]** to enter the Bluetooth page. If the device is found, click **[Connect]**; if the device cannot be found, click **[Why can't I find my RoboUP mower?]** to troubleshoot.





2) Enter the PIN code of the RoboUP mower (the default is 0000), and click [Confirm] to connect to

the Bluetooth of the mower.

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Search Your R	oboUP Mower	o
8 The de	e Enter The PIN	0000,
Cance		onfirm
1	2 ABC	3
4 6ні	5 JKL	б
7 PQRS	8 TUV	9 wxyz
	0	\otimes

3) After the connection is successful, click [Done] to return to the [Installation Guide] page.



3.4 Step 4: Create a Virtual Map

3.4.1 Create the main boundary

1) Click [Step 4: Create a virtual map] to enter the mapping page, and check if the RTK icon on the

UI is $[\mathbf{v}]$: if yes, please check the \bigcirc at the bottom, and then click **[Next step]**.





Build the main boundary (that is, the map where the charging station is located): click [Create zone 1], and choose the method of mapping according to the garden environment: Auto mapping or Manual mapping.





Auto mapping: If the garden is with physical borders, like fences, click [Auto mapping] to enter the next page, and click [Start create boundary], then the mower will do calibration automatically. After the calibrating is finished, it will drive out of the charging station and automatically build a boundary along the edge. After the mower is nearby the charging station, click [Save] on the pop-up window prompts to save the boundary.

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<	Create A Virtual Map	<	Mapping	
	elect The Mapping Method Based Garden Environment.	RTK 🖌 💲 🤝		
With p	hysical borders			
	Auto mapping		Calibrating	
Withou	ut physical borders			
	Manual mappimg			





Manual mapping: If the garden is without physical borders, like fences, click [Manual mapping] to enter the next page, install the ruler if needed, and check () at the bottom, then click [Create a boundary] to enter the manual map creation page. After the mower finishes the calibration, slide the controller on the two sides to manually build a boundary along the edge. After the mower is nearby the charging station, click [Complete] and [Save] on the pop-up window prompts to save the boundary.

Note: Please follow the mower with 3 meters during the process for a stable connection and smooth mapping.





RoboUP APP User Guide Rev1.1 (20230703)





3.4.2 Create a secondary boundary or more boundaries

If there are more than 2 areas or gardens, click **[Yes]** to continue to create more boundaries. On the page, slide the controller to remote control the mower to arrive at the start point, then click **[Yes, the mower has arrived]** to the next page. Refer to the *Create the main boundary* to select the proper method to do the mapping.





RTKV \$	*Plaase use the remote control to move your mower to another zone.	×	×
	\square		
	Yes, the mower has arrived	«	»

3.4.3 Create passages

After the secondary boundary has been created, please click the [Yes] on the pop-up prompts [Please

Create a Passage to Connect the Two Zones] to build a passage to link the two boundaries if there is

any proper physical passage for the mower to pass by.



 Make sure the length of the physical passage is between 0.5-20 meters, then click [Next] to enter the landscape page. Before tapping [Start creating passage], slide the controller to control the mower to move to the start point of the passage.



2) Click **[Start creating passage]**, and slide the controller again to control the mower to cross the physical passage to link the two boundaries on the map. After that, tap **[Complete]** to save the passage.





3.4.4 Finish the mapping

If there are any objects that need to be protected from the mower, click **[No-go Zone]** to create no-go zones. After all boundaries, passages, and no-go zones have been created, click **[Save]** to finish the mapping. On the next page, if the recommended mowing schedule and cutting height satisfy the need, click **[Yes, I confirm]** to go next; if not, hit **[No, I want to adjust the schedule]** to modify the settings.



After that, the APP will lead to the last step of introducing how to operate the buttons on the mower, including powering it on, starting mowing, re-charging, and putting PIN code. Make sure you are familiar with the operation, click **[Start to use]**, then you can operate on the APP or on the mower.





4 Wi-Fi Connection

Note: The mower doesn' t connect to Wi-Fi if the Bluetooth connection in the basic installation guide is done, so with a Bluetooth connection, the APP cannot restore the mower to factory settings and do OTA upgrades. If you need to restore factory settings or do OTA firmware upgrades, please refer to the following steps to build a Wi-Fi connection.

If you have connected the Bluetooth before, open the RoboUP APP and when the mower is online click the [More Functions] icon on the top right corner to enter the next page. Click [Connection mode] and [Bluetooth], then tap [Wi-Fi pairing].





1) Enter the **[Power on]** page, refer to the step prompts to long press the power button to turn on the mower, and enter the PIN code to enter the home page of the UI. After that, go back to the APP and tap [Turn on device Wi-Fi] to go next.



2) On the page of [Turn on device Wi-Fi], refer to the step prompts again to press OK button on the mower to enter menu on the UI, press the arrow button to select [Settings] option, tap OK button again to enter Settings list, and find [Set Wi-Fi] by pressing the arrow button, continue to press OK button twice to enable Wi-Fi signal of the mower, then go back to the APP, and click [Connect to home Wi-Fi] to go next.



 Enter [Connect to home Wi-Fi] page, click [Connect] to select a 2.4Ghz home Wi-Fi signal, or [Replace Wi-Fi] if the existing one is not 2.4Ghz. After entering the Wi-Fi password, tap [Connect device Wi-Fi] to go next.

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Pleas	e enter Wi-Fi passw	rond how	1234	567	٢
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Pleas	e enter Wi-Fi passw	ord Arrow	1234		© 7
Pleas	e enter Wi-Fi passw Connect device	ſ	1234	567	7



4) On the **[Connect device Wi-Fi]** page, click **[Go to Settings]**, and select the hotspot Wi-Fi signal beginning with **RoboUP_XXX**. After it is connected, click the back button in the upper left corner to return to the APP, then it will enter the **[Connecting]** page.

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<	Connect device Wi-Fi	Cancel	Connecting	
[R [S 2. Reti	vest-faint vest-faint vest-faint asse select the Wi-Fi network. oboUP_XXX] in your mobile phone etting] - [Wi-Fi]. um to App after successful nection. up of the successful obout Go to Settings	2	Connecting Take 1-2 minutes, please wait Connect network Bind device	

5) It takes about 1~2 minutes to connect to Wi-Fi. After it turns to the successful connection page,

tap [Confirm] to go back to home page. If it fails, please try from the start.



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Close	Connection successful	_
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	Connection successful	
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	V	
	Confirm	

Please note: if you are still on the basic installation page and haven' t run the Bluetooth connection,

click on [Wi-Fi] in the top right corner to enter the Wi-Fi connection process.





5 Map Editing

After the basic installation, if there is any need to edit the existing map, the tutorials below may be helpful.

5.1 Delete the existing map

If you need to delete the whole map, or just delete parts of it, like boundary, no-go zone, or passage, please refer to the following steps to do it.

1) Open the RoboUP APP and tap the device on the home page, then click [Edit map].



2) On the page, tap the [+] in the top right corner, then click [Delete Map].



- 3) On the **[Delete Map]** page, according to the needs choose the proper operation:
 - \bigcirc **Delete the whole map**: tap the [Delete All] in the top right corner, then the whole map will be

deleted, which is suitable for building a new map of a different garden.

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<	Delete Map		Delete All
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Delete parts of the map: tap the corresponding option at the bottom, for example, if you need to delete the boundaries, tap [Delete boundary], then on the next page, click the [X] icon on the boundary that you need to delete.



Please note that if the main boundary is deleted, it means the whole map will disappear.

5.2 Add a Boundary

If you need to add a new boundary to the existing map for a new area or need to recreate a new map, refer to the following steps to edit the map.

1) Open the RoboUP APP and tap the device on the home page, then click [Edit map].





2) On the [Create map] page, click [Boundary] at the bottom to go to the controller page. If the mower is not at the place where you need to start adding a boundary, slide the controller to control it moving to the start point, then tap [Start create boundary] to go next.







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

Please note: if the new boundary is the main one, which means the charging station is included, the mower will do auto calibration once during the process; if it is not the main boundary, the mower will not do auto calibration.

Auto mapping: If the garden is with physical borders, like fences, click [Auto mapping] to enter the next page to make sure the RTK icon on the mower' s LCD display is √, then click [Start create boundary], and if it is trying to create a new main boundary the mower will do calibration automatically. After the calibrating is finished, it will drive out of the charging station and automatically build a boundary along the edge. After the mower is nearby the charging station, click [Save] on the pop-up window prompts to save the boundary.





Manual mapping: If the garden is without physical borders, like fences, choose [Manual mapping]

to enter the next page, make sure **the RTK icon on the mower**'s **LCD display is** √ and install the



ruler if needed, and check () at the bottom, then click **[Start create boundary]** to enter the manual mapping page. After the mower finishes the calibration, slide the controller on the two sides to manually build a boundary along the edge. After the mower is nearby the charging station, click **[Complete]** and **[Save]** on the pop-up window prompts to save the boundary.

Note: Please follow the mower within 3 meters during the process for a stable connection and smooth mapping.







5.3 Create a No-go Zone

If there are trees, swimming pools, trampolines, etc. in the middle of the garden, it is recommended to create no-go zones for them to set the preset for the mower to avoid them.

1) Open the RoboUP APP and tap the device on the home page, then click [Edit map].





2) On the **[Create map]** page, click **[No-Go Zone]** at the bottom and tap **[Next]** after reading the tip



to go to the controller page.

3) If the mower is not at the place where you need to create a no-go zone, slide the controller to




control it moving to the start point, then tap [Start create No-go zone] and [Confirm] to go next.

4) Slide the controller again to move the mower to run a circle of the object that you want to create a



no-go zone, then tap [Complete] to finish the process.

5.4 Create a passage

If there is more than one boundary that has been created, and there is any proper physical passage for

the mower to pass by, the **[Passage]** is required to link the two boundaries.

1) Open the RoboUP APP and tap the device on the home page, then click [Edit map].





2) On the **[Create map]** page, click **[Passage]** at the bottom and tap **[Next]** after reading the tip to go to the controller page.



3) If the mower is not at the place where you need to create a passage, slide the controller to control





it moving to the start point, then tap [Start creating passage] to go next.

4) Slide the controller again to control the mower to cross the physical passage to link the two boundaries on the map. After that, tap [**Complete**] to save the passage.



6 Firmware Upgrade

Note: Before doing a firmware upgrade, please refer to the tutorial on Wi-Fi connection to connect the mower to Wi-Fi that can access the Internet, which can be verified if there is a Wi-Fi icon on the UI. Furthermore, a place with a full-bars Wi-Fi signal where the mower is located is required for a smooth firmware upgrade.

1) Open the RoboUP APP and when the mower is online click the **[More Functions]** icon on the top right corner to enter the next page.



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Home	Ð	0		
	 Online 	2		/
TM01 ■ + 60% Machine fa	Nure			Q Edit Map
		RTK Def to the second s	60% Standby 100 m ^e Mowed area	200 min Mowed time
Home	(*) My	Automat	tic	Charge

2) Tap the **[Device upgrade]** option, hit the **[Download and install]** button at the bottom, and confirm to enter the automatic firmware upgrade process. The upgrade process will be finished within 15 minutes which differs because of the firmware versions and the network speed.







3) After the firmware upgrade is finished, please check if the current version is the latest on the

[Device upgrade] page.

7 Cutting height adjusting

Note: Adjusting cutting height can be operated on the APP via Bluetooth connection or Wi-Fi

connection.

1) Open the RoboUP APP and when the mower is online click the [More Functions] icon on the top

right corner to enter the next page.



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Home	Ð	(TM01	
TM01	• Online		-	
■ + 60% Machine	faijure	RTK-V •••	0% Standby	Q Edit Map
1.00		200 m ² Area of lawn	100 _{m²} Mowed area	200 _{min} Mowed time
Home	My	Automa	tic	Charge

2) Slide down to have [**Cutting height**] option, and click it, then select the cutting height for your

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Kore Functio		K More Functions	
Common functions	7	这是割草机最长的名称 2	
Spot cuttingSchedule mowing	,	Common functions	
🚺 Cutting height	60mm)	Map management	
Remote control mode	6	6 Mowing appointment	
Device log			
🌧 Rain mode	On	Mowing height 60	
Blades replacement	2	-	
Anti-theft	On 3	Select mowing height	
Connection mode	Bluetooth)	60mm	
Basic Information		45mm	
Device information	್ರ	30000	
Device PIN code	3	30mm	
🦚 Device upgrade	3	25mm	
		- Uavice uporade	-
Uninstall the de	vice	Cancel	
		Uninstall the device	

need.

8 Schedule Mowing

Note: Schedule Mowing can be set up on the APP via Bluetooth connection or Wi-Fi connection.

1) Open the RoboUP APP and when the mower is online click the [More Functions] icon on the top

right corner to enter the next page.



2) Slide down to have **[Schedule mowing]** option, and click it, then refer to the following steps to edit the scheduled mowing for different conditions.



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Kore Functions			<	Mowing schedule	\oplus
			11:00-1 Everyday	2:00 🖉	
Common functions	7		11:00-1 Once	4:00 🖉	
Spot cutting		0	11:00-1 Weekand	6:00 🖉	
Schedule mowing		>	11:00-1 Sun, Tue, T		
E Cutting height	60mm	>	S0011/1005-1	114. 581	
Remote control mode		ð.			
Device log		5			
👷 Rain mode	On	>			
Blades replacement		2			
Anti-theft	On	2			
Connection mode	Bluetooth				
Basic information					
Device information		3			

Tap [+] in the top right corner, set the start time and end time for the mowers to mow the garden under [Add time], then select the working day under [Repeat]. After that, tap [Save] to save the setting.



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<	Mowing schedule	\oplus	<		Add ti	me <	
11:00- Everyday	12:00 🖉					End tim 06 : 4	
11:00 - Once	14:00 Z			07 :	48	07 : 4	18
11:00- Weekend	16:00 🖉		Repea		49	08 : 4	19
11:00- Sun. Tue.	12:00 Z		Sun	Mon	Fue Wed	Thu F	ri Sət
					Ĺ) 	
					Sav	e	

${f 2}$ Edit the existing mowing schedule

Click the *conditional condition of the schedule that you need to modify, then edit the start time and end time for the mowers to mow the garden under [Add time], and also the working day under [Repeat]. After that, tap [Save] to save the setting.*





$\ensuremath{\mathfrak{S}}$ Delete the existing mowing schedule

Slide the schedule from the right to the left that you need to delete, then tap [**Delete**] to delete the item.

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<	Schedule	\oplus
11:00-12: Everyday	00 2	
11:00-14: Once	00 🖉	
11:00-16: Weekend	00 2	•
– 12:00 🖉 < a. Thu, Sat		Delete



Disable or enable the existing mowing schedule

If you need to keep the mowing schedule but don' t want it to make effective right now, just click

the icon below to disable it, and tap it again to enable it next time.



9 Factory Default

Note: Before doing a factory default, if the APP on your phone is connected to the mower via Bluetooth, please refer to the tutorial on Wi-Fi connection to connect the mower to Wi-Fi that can access the Internet, which can be verified if there is a Wi-Fi icon on the mower's LCD display. Furthermore, a place with a full-bars Wi-Fi signal where the mower is located is required for a smooth factory default operation.

1) Open the RoboUP APP and when the mower is online click the **[More Functions]** icon on the top right corner to enter the next page.



9.41	9:41 (←	TM01	.al ≎ ■
Home			
TM01 ■ + 60% Machine falure			Q. Edit Map
Home My	RTK P	60% Standby 100.m ^e Mowed area	200mm Mowed time Charge

2) Slide down to the bottom and click [Uninstall the device], and on the pop-up options select

[Unbind and restore to factory default].

Schedule mowing		2			al 🗟 🖬
Cutting height	60mm	5			
Remote control mode		2		这是割草机最长的名和	
Device log		2			
🌨 Rain mode	On	>	Commor	n functions	
Blades replacement		>	🧿 Map	management	
🔋 Anti-theft	On	>	🕒 Mov	ving appointment	
Connection mode	Bluetooth	>	Mov	ving height	60mm
Basic Information			Rem	note control mo le	
Basic information		>		note control mo le ice log	
		>	B Devi		
	l		B Devi	ice log	LA.
Device information		5	Devi	ice log v when vain	

3) On the pop-up prompt, type in the PIN code, and tap [Confirm] to go next. On the final page,





please read the notes carefully and click [Confirm] to do factory default.

10 Account Unbind

Note: unbinding your account can be only operated on the APP via a Wi-Fi connection. So if the APP on your phone is connected to the mower via Bluetooth, please refer to the tutorial on Wi-Fi connection to connect the mower to Wi-Fi that can access the Internet, which can be verified if there is a Wi-Fi icon on the mower' s LCD display. Furthermore, a place with a full-bars Wi-Fi signal where the mower is located is required for a smooth operation.

 Open the RoboUP APP and when the mower is online click the [More Functions] icon on the top right corner to enter the next page.



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Home	Đ	(TM01	
TM01	• Online			
■ + 60% Machine f	a)ure	RTK-V ••• 6	0% Standby	Q Edit Map
		200 m² Area of lawn	100m² Mowed area	200 min Mowed time
Home	™	Automa	tic	Charge

 Slide down to the bottom and click [Uninstall the device], and on the pop-up options select [Unbind device only].

Schedule mowing		2		ad 🗢 🚥
Cutting height	60mm	5		
Remote control mode		2	· 这是副草机最长	的名称 2
Device log		2		
👷 Rain mode	On	>	Common functions	
Blades replacement		>	O Map management	
🔋 Anti-theft	On	>	() Mowing appointme	nt >
Connection mode	Bluetooth	5	Mowing height	60mm >
Connection mode	101010-0000101			
			Remote control mo	de
	. And a second of the	>	_	de >
asic information			Remote control mo	de 2
Basic information		2	Remote control mo Device log	
Basic information Device information Device PIN code		>	Remote control mo Device log Mow when rain	rice only

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



9:41	.al 🗢 🖿
< More Fur	
这是割草机最长	5的名称 <i>2</i>
Common functions	
Ø Map management	
Mowing appointme After unbinding the	
not be able to opera again, do you confir	
Cancel	Confirm
Device log	
🌧 Mow when rain	_ (
Basic Information	
Device PIN code	
n Device upgrade	