



June 4

# Robomow App

# 2015

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Operating Manual

## TABLE OF CONTENTS

General.....	3
Compatibility.....	3
Device Compatibility .....	3
Mower Compatibility.....	3
Downloading and Installation .....	4
First time installation.....	4
Reinstalling Robomow App .....	4
Registration.....	5
Registration Flow .....	5
Registration Troubleshooting.....	8
Registration FAQs .....	8
I forgot my password. How can I reset it? .....	8
I have two mobile devices and I want to operate Robomow from both of them. How can I do this? .....	8
Connection with a mower.....	9
Connection Troubleshooting.....	10
Connection range of the Robomow App.....	11
Connection range in Remote Control mode.....	11
Reconnection with a mower .....	11
Removing a mower from the list of paired devices.....	11
Connection FAQs .....	13
Why is it that sometimes the Robomow App can't reconnect to my mower after being disconnected? .....	13
Can I connect to more than one mower from the Robomow App?.....	13
How many mobile devices can be connected to one mower simultaneously? .....	13
Robomow App Operation.....	14
Main Operational Screen.....	14
Changing mower's settings with Robomow App.....	15
Changing "Lawn Options" via Robomow App.....	16
Changing "Mower Options" via Robomow App .....	23
Settings that are available in the Robomow App, but not available in the mower, and vice versa.....	25
Remote Control Function .....	26
Manual mowing with the remote control function.....	26
App Settings.....	27
Changing the Robomow App language .....	27
Setting "Share Operational data" .....	27
Deleting an Account.....	27

- GSM Module..... 28
  - Enabling the GSM Module..... 28
    - Disabling Push Notifications..... 28
  - Setting the type of alerts to be sent by the GSM Module ..... 29
  - Testing your GSM Module ..... 29
  - GSM Module FAQs ..... 29
    - Why does the GSM Module accessory require the Robomow App? Can it work without it?..... 29
    - Why don't I get an alert message immediately after my mower stops? ..... 29
    - How can I ensure the push notifications are working properly? ..... 30
    - If I'm registered on several mobile devices, will I be able to receive push notification on all of them? ..... 30
    - My GSM Module has been replaced. What do I need to do to make the new GSM Module work the same as the previous one? ..... 30
    - Do I need to keep Robomow App open in order to receive push notifications? Do I need to be in range and connected to the mower with the app in order to receive push notifications? ..... 30
- Remote Access ..... 31
  - Establishing a Remote Access session ..... 31
- Known issues ..... 33

## GENERAL

The Robomow App is a mobile application available for Android and iOS that enables user friendly and intuitive operation of your Robomow, through a variety of menu options and features.

The unique advantages of Robomow App include:

- The Robomow App is completely free and works with all Robomow models produced since 2014. You do not need to purchase an expensive accessory for your Robomow in order to operate it with the Robomow App.
- The Robomow App has a unique Remote Control feature, which includes a manual mowing function.
- The Robomow App provides the unique ability of establishing a remote connection between your Robomow and a service center, to enable remote diagnostics.

Robomow App supports English, German, French, Danish, Swedish, Norwegian, Italian, and Dutch.

Robomow App uses the popular and advanced Bluetooth Low Energy (BLE) wireless communication standard to connect to your mower. It provides you with a longer range than the traditional Bluetooth, and is less energy-consuming, which is an essential advantage for battery-powered devices like robotic lawnmowers.

## COMPATIBILITY

### DEVICE COMPATIBILITY

The Robomow App supports the following operating systems:

- Android 4.3 or higher<sup>(\*)</sup>
- iOS 7.0 or higher

*(\*) For Android 5.0.x Lollipop users we strongly recommend to update Webview System Component to improve Robomow App's performance. To update the Webview component on you device please follow this link: <https://play.google.com/store/apps/details?id=com.google.android.webview&hl=en>*

The iOS version of Robomow App supports the following Apple devices:

- iPhone 4s/5c/5s/6/6+
- iPad 3 and later (including iPad Air)
- iPad mini

The Android version of the Robomow App works with most Android devices that support the Bluetooth® 4.0 (a.k.a. Bluetooth® SMART or BLE) standard. The most popular devices used with the Robomow App include:

- Samsung Galaxy S3, S4, S5
- Samsung Galaxy Samsung Galaxy Note 2 (from 30/05/2014), Note 3
- HTC One X One, Nexus 5, LG G2/G3

For the full list of mobile devices supporting the Bluetooth® 4.0 standard, please see the following link: <http://www.bluetooth.com/Pages/Bluetooth-Smart-Devices-List.aspx>.

### MOWER COMPATIBILITY

The Robomow App is compatible with all Robomow models manufactured since 2014. Note that the Robomow App does not support RL/RM models.

## DOWNLOADING AND INSTALLATION

### FIRST TIME INSTALLATION

To download the Robomow App:

- Use your mobile device to scan the QR code on the right



or

- Search for the app in the App Store or Google Play Store.



#### Notes:

- To find the Robomow App in the App Store search results on an iPad, filter the search results by 'iPhone Only'.
- If the Robomow App seems to be stuck with a white screen for a long time during the initial run, you can try to improve the Internet connection on your mobile device and restart the app.

### REINSTALLING ROBOMOW APP

You may want to move the Robomow App and the mower settings from one device to another, for example if you purchase a new mobile device.

To do so:

1. Delete your account (App Settings → Delete Account)
2. Uninstall your current version,
3. Install the Robomow App on the new device
4. Register with exactly the same email and password as on the previous device.

All settings are automatically fetched from the mower once the new device connects with it.

## REGISTRATION

### REGISTRATION FLOW

The following steps describe how to register the Robomow app.

1. Start the Robomow app.
2. You are prompted to select a country and language. Select the country where the Robomow is located.



3. The next step is to create a new user. Click the **New User** area.



4. You are now prompted to scan the serial number of your Robomow. You can find the Robomow serial number on the silver product sticker. On the C-models, it's on the back of the mower. In the S-models, it's on the inner side of the flap, under which the cutting height adjustment and the "ON / OFF" switch are placed.

## Barcode Location

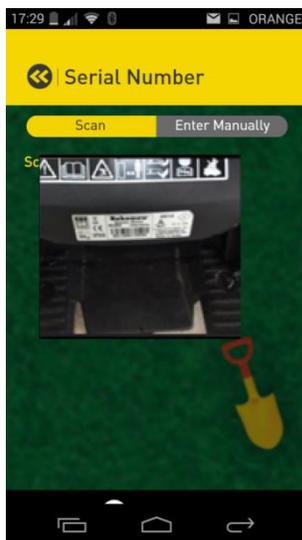
S-Platform



C-Platform

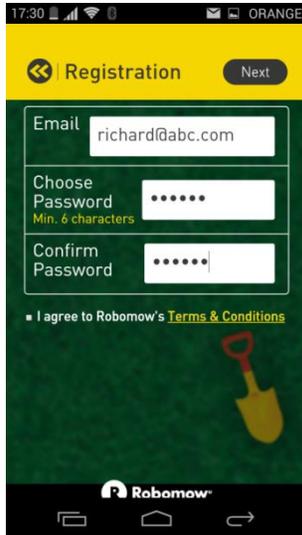


While scanning the serial number, it is important to keep the smartphone / tablet close to the barcode, so that the code is clearly read.



The serial number can also be entered manually. To do so, press **Enter Manually** and type in the entire serial number, including the leading letters.

5. You now need to enter an email address and a password. The password is case-sensitive and must be at least 6 characters long. It should not start with '%', '#', or '&' characters.



6. Next, click the yellow **Terms & Conditions** link. This displays the usage conditions and safety warnings. Scroll down to the end of the text, and click the yellow **Accept** button if you agree to the terms and conditions.



A small checkmark appears: **I agree to the Robomow's Terms & Conditions**. If all fields are completed, press **Next**. A "Registration Complete" notification appears on your screen, and this completes the registration process.

## REGISTRATION TROUBLESHOOTING

The following table describes the various registration-failure sub-messages that may appear, and the corrective action to take in each case.

#	Sub-message	Corrective Action
1	This serial number is already registered.	<ul style="list-style-type: none"><li>The person currently registered with the mower needs to delete his account (App Settings &gt; Delete Account).</li><li>Alternatively, register with exactly the same credentials as the person currently registered.</li></ul>
2	No Internet connection.	Make sure there is a working Internet connection. Try again later.
3	The server is not responding.	Try again later.
4	The provided serial number is not recognized.	Make sure the serial number you enter is the correct serial number (including all characters and letters), as written on the mower.
5	Some information about the serial number is missing.	Call the Robomow Hotline for assistance.
6	The provided email is recognized, but the password is wrong.	Use the password used during initial registration, or call the Robomow Hotline to reset the password.

## REGISTRATION FAQs

### I FORGOT MY PASSWORD. HOW CAN I RESET IT?

Password retrieval will be available in one of the upcoming Robomow App versions. Resetting your password can currently be done via your local Support Hotline.

### I HAVE TWO MOBILE DEVICES AND I WANT TO OPERATE ROBOMOW FROM BOTH OF THEM. HOW CAN I DO THIS?

If you'd like to register an additional mobile device with your mower, you can do it by simply using the same login credentials (email/password) that you used during the original registration.

## CONNECTION WITH A MOWER

The Robomow App communicates with your mower via the BLE (Bluetooth Low Energy) communication protocol.

Upon successful registration and upon every launch of the app, the app automatically scans for available BLE devices and tries to connect automatically to the registered mower:

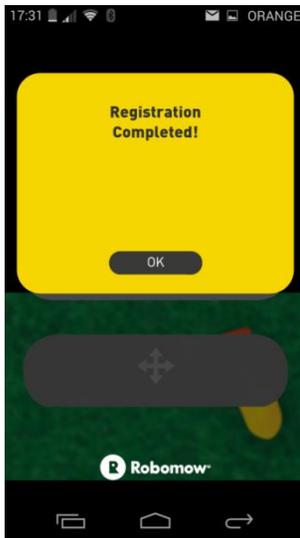


Figure 1 - Successful Registration

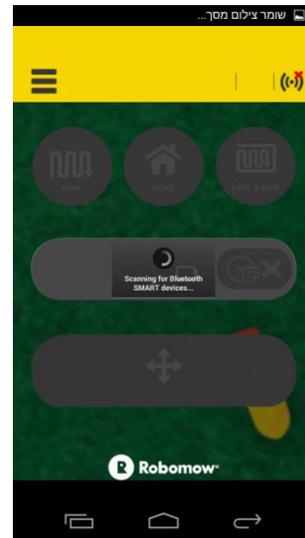


Figure 2 - Scanning for mowers

### Important!

- Make sure the mower is switched on and awake.
- Make sure you're within a few meters of the mower.
- Make sure your Robomow is not currently connected with another mobile device that is running the Robomow app.

When the Robomow app successfully connects with the mower, the buttons and the status bar become active (note the connection status icon encircled in red):

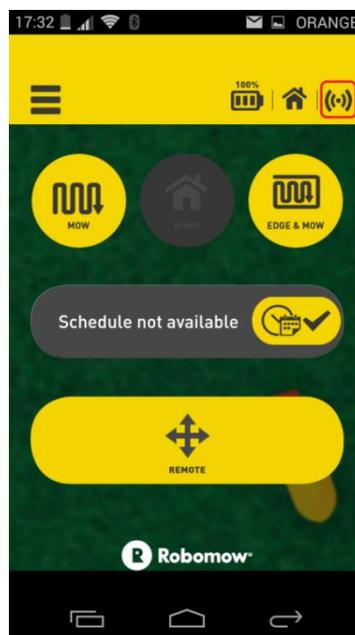


Figure 3 - Successful connection (pairing) with a mower

## CONNECTION TROUBLESHOOTING

If you get a “Selected mower is not in range or not compatible” message when trying to connect to your mower, please refer to the following tables to troubleshoot the problem:

These are a number of preliminary checks we suggest to perform:

#	Check to perform	Corrective Action
1	<b>Android only:</b> Are you trying to connect to a mower while it's in operation (i.e. mowing or searching base)?	Android versions of the Robomow App can establish a connection only when a mower docks in the base station or is idle. This is a limitation of the current Android OS version.
2	Is your mobile device compatible with the Robomow App?	See the compatibility requirements FAQ above.
3	Is your mower compatible with the Robomow App?	See the compatibility requirements FAQ above.
4	Is Bluetooth functionality on your mobile device is disabled or needs to be toggled?	Enable the Bluetooth functionality on the mobile device. Switch it off/on to refresh the connection.
5	Is the mower switched off or asleep?	Confirm that your mower is switched on and awake (press any key on it to wake it up). The mower goes to sleep after being idle for 5 minutes (never when docking/charging).
6	Are you out of BLE range?	Make sure you're within a range of a few meters from the mower.
7	Does the mower have an active BLE connection with another mobile device in range?	Close the Robomow App (or any other app that may have an active BLE connection with the mower) on any other mobile device that is in range. A mower can be concurrently connected with only one mobile device.

Once the preliminary checked have been done, these are the suggested troubleshooting steps:

#	Troubleshooting step	Details
8	Shutting down the app <u>completely</u> and reopening it	<ul style="list-style-type: none"> <li> <b>For Android:</b>                      Use the 'Recents' button (marked with red below) or press and hold the 'Home' button (for Samsung devices) to display recent applications:                                          Find 'Robomow App' in the list and slide it left to shut it down completely                 </li> <li> <b>For iOS:</b>                      Press the 'Home' button twice to display recent applications                      Find 'Robomow App' in the list and slide it up to shut it down completely                      Now open Robomow App again                 </li> </ul>
9	Resetting the mower	Reset the mower by following the instruction below: <ul style="list-style-type: none"> <li><b>S-models:</b> press and hold the GO button on the mower for 4 seconds</li> <li><b>C-models:</b> press and hold the OK button on the mower for 4 seconds</li> </ul> Now restart the app and try to connect again.

10	Removing the mower from the list of paired devices on your phone	Make sure that the Bluetooth device of your mower ("MoXXXX") is not already paired with your mobile device from before (e.g., from previous connection attempts). If so, <a href="#">remove it from the list of paired devices on your phone</a> and restart the app (validate that the mower is still awake).
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If after performing all the troubleshooting steps you're still experiencing connectivity issues, please call our Hotline for further assistance.

## CONNECTION RANGE OF THE ROBOMOW APP

The range of wireless connection between the Robomow App and your mower varies between 10 to 25 meters under normal conditions, depending on the mower's orientation (side, front, or back). Note that when you are facing away from the mower, the range is reduced approximately by half.

## CONNECTION RANGE IN REMOTE CONTROL MODE

For safety reasons, the communication link with a mower in Remote Control mode is very sensitive and thus less tolerant to communication errors. This requires a shorter range with the mower than in other Robomow App modes.

Either way, you need to maintain line of sight and no more than 3 meters (10 ft.) distance when operating the mower in Remote Control mode.

## RECONNECTION WITH A MOWER

If the app loses connection with a mower, it automatically tries to reconnect and displays a "trying to reconnect to your Robomow..." message. If automatic reconnection fails, a message appears describing the possible failure reason, and suggesting that you try to reconnect again.

## REMOVING A MOWER FROM THE LIST OF PAIRED DEVICES

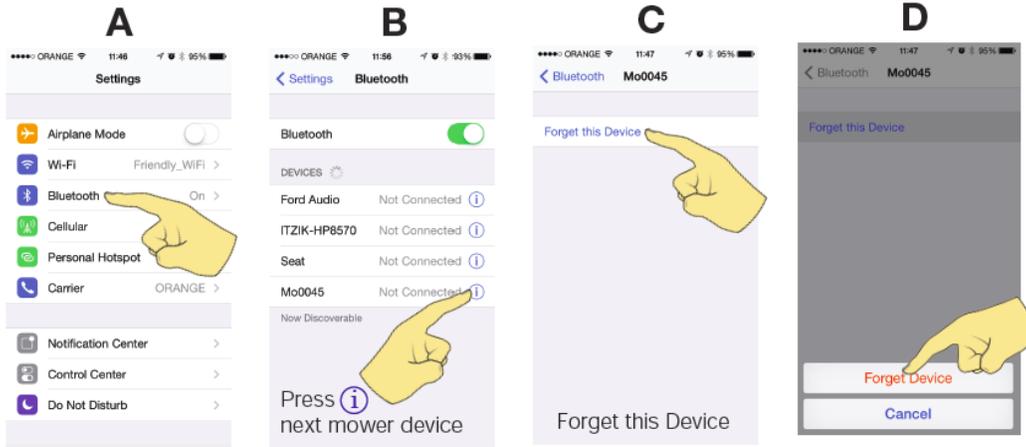
In some cases a connection with a mower may fail because the mower is already paired with your mobile device, but with a wrong Bluetooth connection key. This usually happens when an electronic component, such as the main board, is replaced on the mower.

To resolve this issue, refresh the BLE connection key stored on the mobile device by removing the mower from the list of paired Bluetooth devices on the phone/tablet, as described below.

**iOS Instructions:**

Delete mower from Bluetooth settings (Apple devices)

● Go to Settings



Terminate the APP and try again.

● IOS

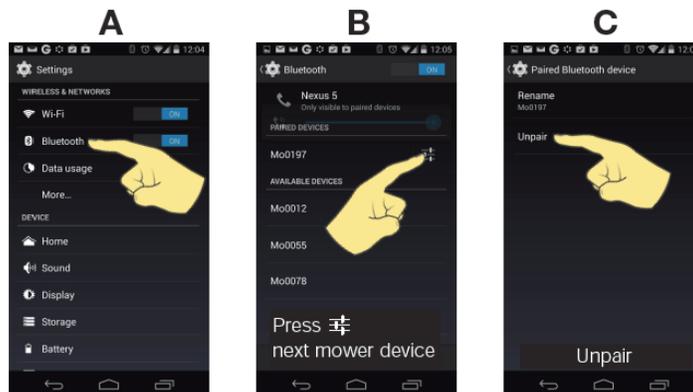
Press the Home button twice



**Android Instructions:**

Delete mower from Bluetooth settings (Android devices)

● Go to Settings



Terminate the APP and try again.

● Android

Press the Home button for 2 seconds



Slide left to terminate the APP

## CONNECTION FAQS

### WHY IS IT THAT SOMETIMES THE ROBOMOW APP CAN'T RECONNECT TO MY MOWER AFTER BEING DISCONNECTED?

The current Android version may experience reconnection issues in some rare cases. Most re-connection issues can be resolved by shutting the app down completely (by sliding it away from the list of recent apps) and opening it again. In several cases resetting the mower (switching the mower off-on) may also be helpful.

### CAN I CONNECT TO MORE THAN ONE MOWER FROM THE ROBOMOW APP?

If you wish to connect to another mower via the Robomow App, you need to first delete your existing Robomow App account (App Settings > Delete Account), and set up a new account. In one of the upcoming Robomow App versions we'll introduce the "Add/Remove Mower" function, which will allow adding up to 6 mowers to the same account.

### HOW MANY MOBILE DEVICES CAN BE CONNECTED TO ONE MOWER SIMULTANEOUSLY?

Although several devices may be registered with the same mower (using the same email and password on all of them), but only one mobile device can be simultaneously connected to the same mower. This is because BLE connection a peer-to-peer ("one on one") connection.

MAIN OPERATIONAL SCREEN

The following figure illustrates all the features/components available in the Robomow App main operational screen.

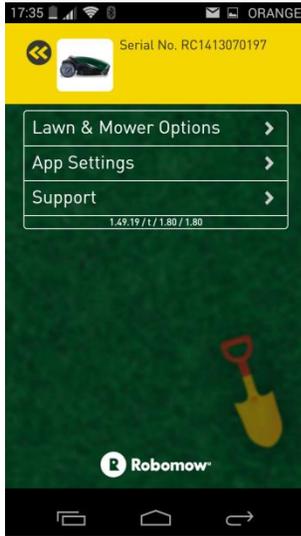


Figure 4 - Main Operational Screen

## CHANGING MOWER'S SETTINGS WITH ROBOMOW APP

To view and change mower or lawn settings using the Robomow App:

1. Click the "Menu" button on the Robomow app's home screen. The main menu is displayed, as shown below.



2. Click **Lawn & Mower Options**. A new window appears with all of the lawn options that can be set for the Robomow.



Here you can view and change *Lawn Options* (additional zones, inactive periods, etc.) and *Mower Options* (Rain Sensor, child locks, etc.)

The available Lawn options include:

- *Inactive Time*
- *Operations / Mowing Extent*(\*)
- *Zones*
- *Islands*
- *Near Wire Follow*
- *Smart Mow*<sup>(\*)</sup>

- Turbo Mow<sup>(\*)</sup>
- Program On/Off<sup>(\*)</sup>
- External Base (RC models only)

The available Mower options include:

- Child Lock
- Rain Sensor
- Sound On/Off
- Edge On/Off
- Mobile Communication System

<sup>(\*)</sup> In the 2015 software version

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## CHANGING "LAWN OPTIONS" VIA ROBOMOW APP

To change lawn options, navigate to Main Menu → Lawn & Mower Options.

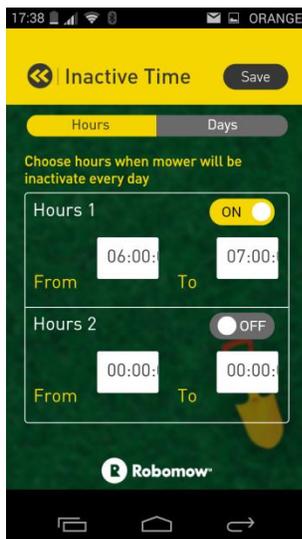
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### INACTIVE TIME

Using this option you can set the Robomow inactive periods, during which mowing is inactive.

The inactive periods are composed of two components: Hours and Days.

#### Hours



The Hours settings define at what times of day Robomow is inactive.

You can define up to two daily inactivity time periods: **Hours 1** and **Hours 2**.

**Hours 1** is set by default to "ON" with the "From" and "To" fields set to 23:00 and 6:00, respectively. This means that from 11 o'clock at night to 6 o'clock in the morning Robomow may not leave the base. To enable or disable the time settings, set the ON/OFF button to on or off.

In **Hours 2**, set by default to "OFF", you can set another daily time range when the mower is inactive; for example, during lunch break hours. To enable or disable the time settings, set the ON/OFF button to on or off.

### Important:

- In the 2014 mower's software version, once you enable the "Hours 2" slot via the app on the C-model mower, the entire "Inactive Times" menu become unavailable via the mower. To regain control of the "Inactive Times" menu via the mower, disable "Hours 2" in the app.
- In the 2015 mower's software version, there is no such limitation. You can always change "Inactive Times" via the mower, but only for "Hours 1". The "Hours 2" option is only available via the app.

### Days

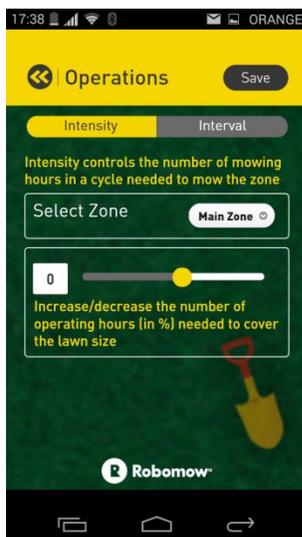


The Days settings define the days in a week when Robomow is not allowed to leave the base (i.e., remains inactive).

By default, Sunday is set as an inactive day. To make a particular day inactive, select it in the list. A day displayed in yellow is an inactive day. A day displayed in gray is an active day.

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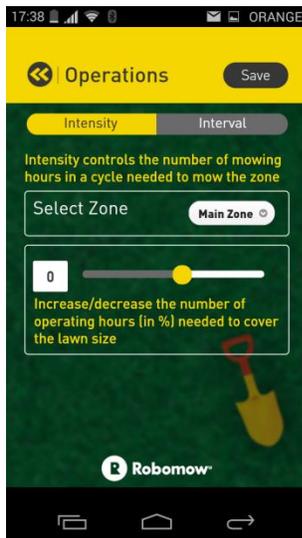
### OPERATIONS ("MOWING EXTENT" IN 2015 ROBOMOW MODELS)



This option enables making adjustments to the mowing cycle, both in *Intensity* ("Mowing Hours %" in 2015 models) and *Interval* ("Mowing Frequency" in 2015 models).

## INTENSITY ("MOWING HOURS %" IN 2015 MODELS)

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Robomow by default allocates a certain number mowing hours per a given area size.

Using the Intensity setting, you can make adjustments to the default setting and increase/decrease the number of operating hours per area size (in %).

'Zero' indicates Robomow's default number of required mowing hours for the given area.

You can adjust the intensity for each zone separately.

## INTERVAL ("MOWING FREQUENCY" IN 2015 MODELS)

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The Interval setting controls the mowing frequency for each zone.

Select the desired frequency for the specific zone. The selected option is displayed in yellow.

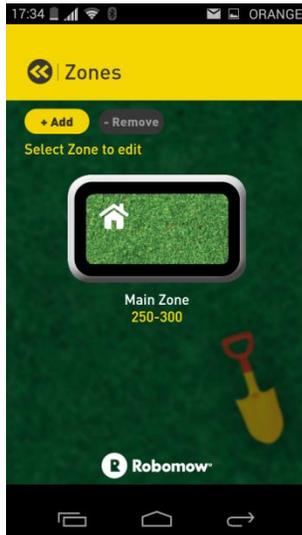
You can choose between: 'Every 2 days', 'Twice a week' or 'Once a week' (corresponding to 'High', 'Medium' and 'Low' mowing frequency).

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## ZONES

Using this option you can set the area of the main zone, set additional zones (sub-zones), or set separate zones.

To change the size of the main zone, click the **Main Zone** box.



To define an additional zone, click **Add** in the Zones window.



In the Add Zone window, you can define:

- *Sub-Zone* – a zone which the mower can reach on its own
- *Separated Zone* – a zone which the mower cannot reach on its own

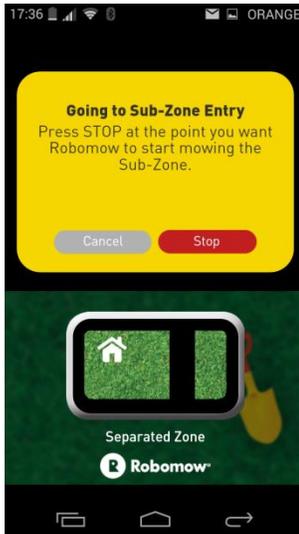
### **Important!**

- If your main zone's area is equal to your Robomow's maximum area capacity, you cannot define additional zones.
- If you want to define a sub-zone, you must first place your Robomow in its base station.
- If you want to define a sub-zone, make sure the physical entrance to the sub-zone was properly installed as described in your Robomow operating manual.

To set a sub-zone:

1. Click the **Sub-Zone** area. If the mower is in the base station, it gives a signal that it is departing from the base. Shortly afterwards, it departs from the base and starts driving along the wire without activating the mowing motor(s).

While Robomow is driving to the sub-zone entrance, the app window looks like this:



2. Follow the mower while it is driving along the edge.
3. When the mower is well inside (at least 1-2 meters) the desired sub-zone, press the red **Stop** button on the app. This sets the point where the mower will leave the edge and start mowing the sub-zone during actual mowing.

After pressing **Stop** in the app window, Robomow stops and a new window appears.



4. Specify the size of the sub-zone, using the controls to select the size.
5. Click **Save** when finished. The sub-zone programming is now complete.

## SEPARATED ZONE

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To set a separated zone:

1. Click **Separated Zone** (see the figure below).



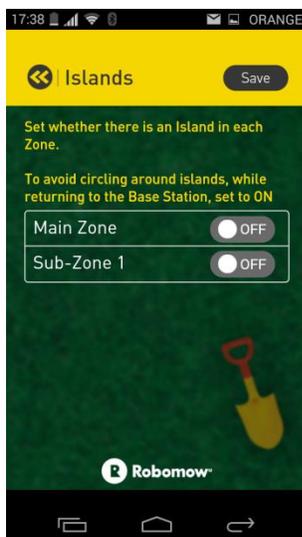
2. Click the area size setting to set the area of the separated zone.
3. Click **Save** to save the settings.

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## ISLANDS

In rare cases, you may notice the mower unnecessarily circling around a Perimeter Island, while searching for the Base Station.

The Islands option helps overcome this situation. To avoid such cases in a zone, turn the **Islands** feature **On** in that zone.



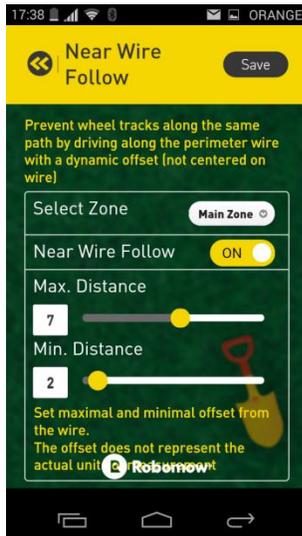
## **Important!**

When the Islands feature is set to On, the mower executes a special method of searching for the Base Station. As a result it may take the mower a longer time to arrive at the Base Station.

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## NEAR WIRE FOLLOW

Using this option you can define how closely Robomow follows the perimeter wire on its way to the base station. You can set this option for each zone separately.



You can set the following:

- **Max. Distance** - sets how far Robomow may go from the wire while riding back to the base station.
- **Min. Distance** - sets how close Robomow may get to the wire while riding back to the base station.

Note that the numbers do not represent the actual units of measurement.

Turn this option on and off per zone by setting the controller to "ON" or "OFF".

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## EXTERNAL BASE

**Note:** This option is only available for C-models (RC / MC).

Using the External Base option, you can set up an off-the-lawn installation of a base station.



1. Before using this option, make sure the external charging station was installed correctly. Refer to the Operating Manual for the installation instructions.
2. Select the zone in which the external charging station is located – the Main Zone, or if relevant, a Separated Zone.
3. Enable or disable the External Base option by setting the controller to "ON" or "OFF".
4. Specify the distance of the base station from the edge using the Distance slider. This specifies how far (in meter/feet) Robomow should drive back when departing from the base.

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## CHANGING "MOWER OPTIONS" VIA ROBOMOW APP

To change the mower options:

1. Press the "Menu" button on the home screen of the Robomow app. The main menu appears, as shown in the image below.



2. Click **Lawn Mower & Options**. A new window appears with all the options that can be set for your lawn as well as for your Robomow.



3. Select the **Mower** tab to change mower settings such as child lock, rain sensor, , etc.

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#### CHILD LOCK SETTINGS (PARENTAL CONTROL)

The Child Lock feature locks the mower's buttons to prevent unintended operation, especially by children.

**Note:** this feature only locks buttons on the mower itself. The operational buttons in the app are not locked.

When the Child Lock is set to 'On', to operate the mower you must first press one of the mower's operating mode buttons and then press **OK** to confirm.

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#### SOUND

This option turns operational sound signals of the mower on or off. Note that some signals, such as safety or antitheft signals, cannot be switched off. To enable or disable this option, set the controller to either "ON" or "OFF".

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#### EDGE MODE

This option enables skipping edging operations when working in automatic mode. That is, if this setting is set to Off, Robomow does not cut the edges of your lawn at the beginning of each mowing cycle.

However, if the edging is started manually (by pressing the **Edge&Mow** button on the mower or in the app), it is performed regardless of the setting of the Edge Mode parameter.

**SETTINGS THAT ARE AVAILABLE IN THE ROBOMOW APP, BUT NOT AVAILABLE IN THE MOWER, AND VICE VERSA**

The following table details the settings available in the Robomow App and the mower, for the S- and C-models.

Feature	S-models		C-models	
	Mower	App	Mower	App
External Base Configuration	--	--	--	√*
Sub-Zone Definition	√	--	√**	√
Inactive Hours 2	√	√	--	√
One-Time Setup	√	--	√	--
Anti-Theft Settings	√	--	√	--
LCD Contrast	√	--	--	--
Mower's Language	√	--	--	--
Measurement units (EU/US)	√	--	√	--
GSM activation	--	√	--	√

(\*) RC models only.

(\*\*) Requires the 2015 software version.

## REMOTE CONTROL FUNCTION

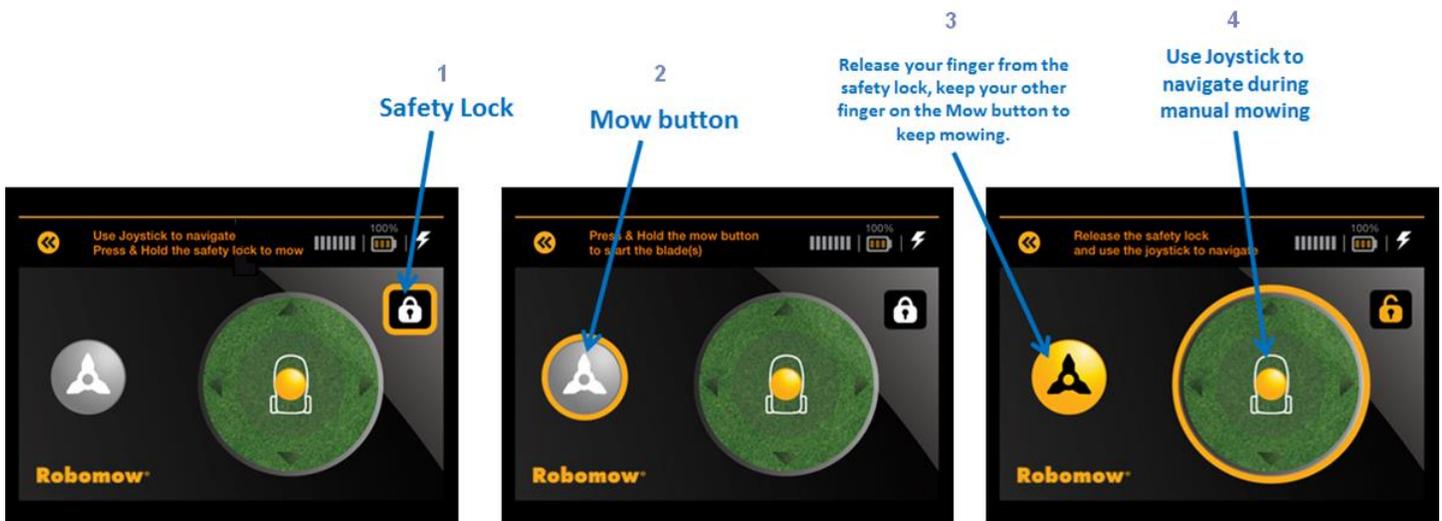
The Remote Control function is a unique Robomow App functionality, which enables you to remotely drive your Robomow and perform manual mowing. It is completely free of charge for all Robomow models. The Remote Control function can be accessed by pressing **Remote** in the Main Operation Screen, as shown in the figure below:



## MANUAL MOWING WITH THE REMOTE CONTROL FUNCTION

To perform manual mowing in remote control mode:

1. Press and hold the safety lock with your right thumb.
2. While holding the safety lock, press the mow button with your left thumb. The blade(s) start.
3. Release the safety lock, but keep holding your left thumb on the mow button.
4. Use the Joystick to navigate.



## APP SETTINGS

### CHANGING THE ROBOMOW APP LANGUAGE

You can change the language of the Robomow app in either of the following ways:

- In the Welcome screen, just before the initial registration.
- In the Main Menu → App Settings.



Figure 5 - Changing the language in the Welcome screen

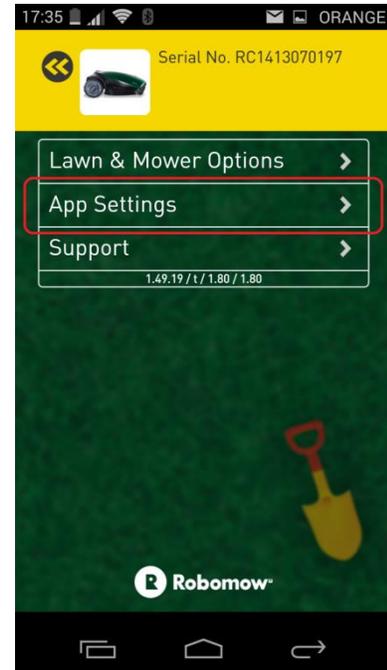


Figure 6 - Changing the Language inside the App Settings

### SETTING "SHARE OPERATIONAL DATA"

The "Share Operational Data" option (located in Main Menu → App Settings and set to ON by default) enables collecting operational data from your Robomow for the purpose of constantly monitoring its performance. The collected data is technical product data, and is used for statistical purposes only.

### DELETING AN ACCOUNT

Account deletion is a "decoupling" between a particular email address (user) and a mower. After successful deletion of an account, the mower is no longer associated with the user and can be registered to any other user.

To delete an account, navigate to Main Settings → App Settings → Delete Account.

## GSM MODULE

The main purpose and value of the GSM accessory is the ability to send alerts by push notification to the mower's owner. The GSM Module itself provides an Internet data connection, but the push notifications mechanism requires registering a mobile device as a push notifications recipient. This is where the Robomow App comes in.

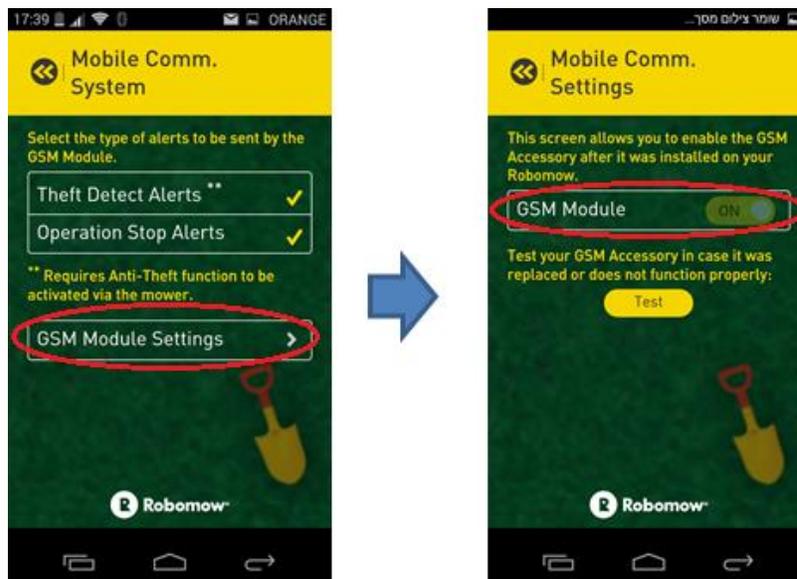
The GSM Module can send two types of alerts (push notifications) to your mobile device:

- *Theft Detect Alerts* - Sent if your mower has been removed from the designated area.
- *Operation Stop Alerts* - Sent if your mower has stopped in the middle of an operation.

## ENABLING THE GSM MODULE

After installing the GSM Module, enable it via the Robomow app as follows:

1. Navigate to Main Menu → Lawn & Mower Options → Mower → Mobile Comm. System.
2. Click **GSM Module Settings**.



3. Slide the **GSM Module** switch to the "On" position. The app initiates the enabling process.

You should receive a "GSM Module successfully enabled!" message within a couple of minutes.

Once the GSM module is successfully enabled, it sends push notifications to all mobile devices registered with the mower on which it is installed.

If the enabling process fails, try again, or contact your nearest Robomow service provider.

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## DISABLING PUSH NOTIFICATIONS

Once the GSM Module has been enabled (switched ON), it cannot be switched OFF via the Robomow app. If you want it to stop sending notifications, in the Robomow app navigate to Main Menu → Lawn & Mower Options → Mower menu and uncheck (disable) both alert types on the "Mobile Comm. System" screen.

## SETTING THE TYPE OF ALERTS TO BE SENT BY THE GSM MODULE

To set the type of alerts sent by the GSM module:

1. Navigate to Main Menu → Lawn & Mower Options → Mower → Mobile Comm. System.
2. Select the type of alerts that will be sent to your mobile device by your Robomow mower:
  - *Theft Detect Alerts* - Sent if your mower has been removed from the designated area.
  - *Operation Stop Alerts* - Sent if your mower has stopped in the middle of the operation. The alert is sent two hours after the mower stops operation.



You can also switch on the **Share Operational Data** option in Main Menu → App Settings to enable the sending of operational data from your Robomow to a centralized Support Center in order to improve performance.

## TESTING YOUR GSM MODULE

If the GSM Module is replaced or suspected of not functioning properly for any reason, we recommended testing it.

1. Navigate to Main Menu → Lawn & Mower Options → Mower → Mobile Comm. System → GSM Module Settings.
2. Press **Test**.
  - If the GSM passes the test, a "GSM Test Passed!" message is received within a couple of minutes.
  - If the testing process fails, please try again, or contact your nearest Robomow service provider.

## GSM MODULE FAQs

### WHY DOES THE GSM MODULE ACCESSORY REQUIRE THE ROBOMOW APP? CAN IT WORK WITHOUT IT?

The main purpose and value of the GSM accessory is the ability to send alerts by push notification to the mower's owner. The GSM Module itself provides an internet data connection, but the mechanism of push notifications requires registering a mobile device as a recipient of push notifications. This is where the Robomow App comes in.

### WHY DON'T I GET AN ALERT MESSAGE IMMEDIATELY AFTER MY MOWER STOPS?

If Robomow has stopped operation, it will inform you of the fault after two hours, via push notification.

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## HOW CAN I ENSURE THE PUSH NOTIFICATIONS ARE WORKING PROPERLY?

If the GSM Module is replaced or suspected to not function properly for any reason, we recommended testing it by pressing the 'Test' button on the "GSM Module Settings" screen of the Robomow app (Main Menu → Lawn & Mower Options → Mower → Mobile Comm. System):

- You should receive a "GSM Test Passed!" message within a couple of minutes.
- If the testing process fails, please try again, or contact your nearest Robomow service provider.

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## IF I'M REGISTERED ON SEVERAL MOBILE DEVICES, WILL I BE ABLE TO RECEIVE PUSH NOTIFICATION ON ALL OF THEM?

Yes, the GSM Module sends push notifications to all mobile devices registered with the mower that it's installed on.

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## MY GSM MODULE HAS BEEN REPLACED. WHAT DO I NEED TO DO TO MAKE THE NEW GSM MODULE WORK THE SAME AS THE PREVIOUS ONE?

You will not need to do anything. It should continue working the same as with the previous Module. You may want to run a test by pressing the 'Test' button on the "GSM Module Settings" screen of the Robomow app (Main Menu → Lawn & Mower Options → Mower → Mobile Comm. System). If everything is intact, you should receive a "GSM Test Passed" notification.

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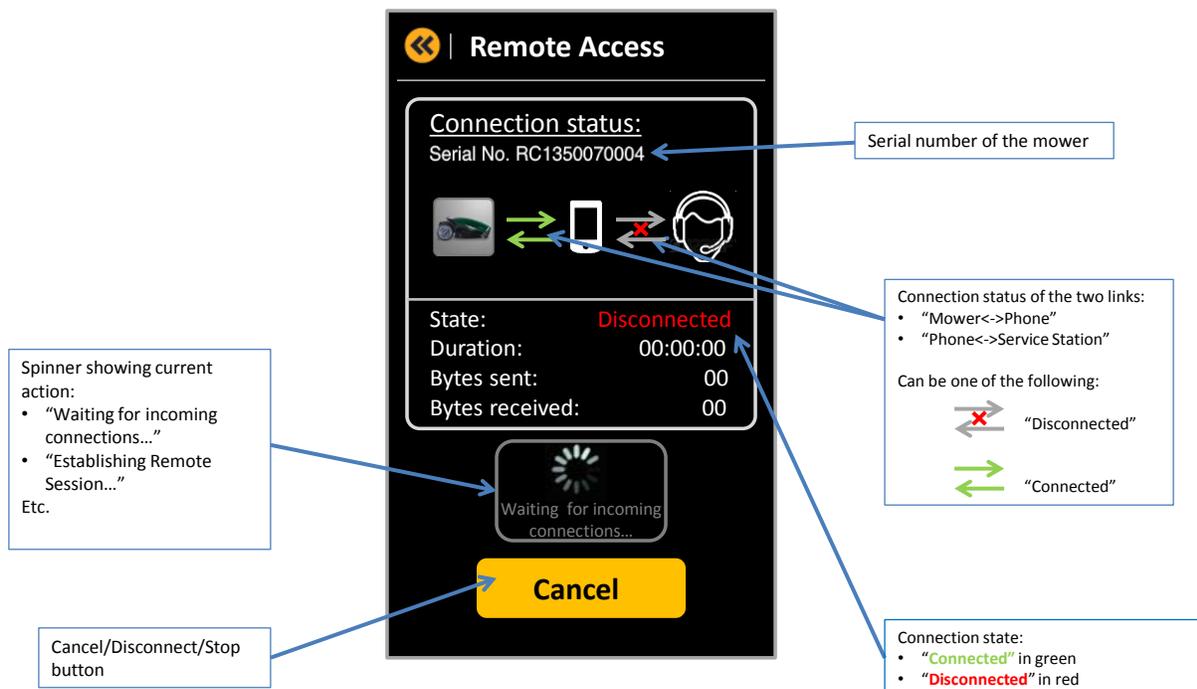
## DO I NEED TO KEEP ROBOMOW APP OPEN IN ORDER TO RECEIVE PUSH NOTIFICATIONS? DO I NEED TO BE IN RANGE AND CONNECTED TO THE MOWER WITH THE APP IN ORDER TO RECEIVE PUSH NOTIFICATIONS?

No! Once you've registered in the app and configured your GSM module, push notifications (if not blocked by the phone) will arrive even if the Robomow App is shut down and there is no connection with the mower.

## REMOTE ACCESS

The "Remote Access" utility enables remote access to your mower by an authorized Robomow service provider, using your mobile device as an intermediary. This means that from one side, your mobile device is connected to your mower via the regular BLE connection. And from the other side, it is connected to the service station via a 3G or WiFi connection. In this way there is a direct link between the service station and your mower.

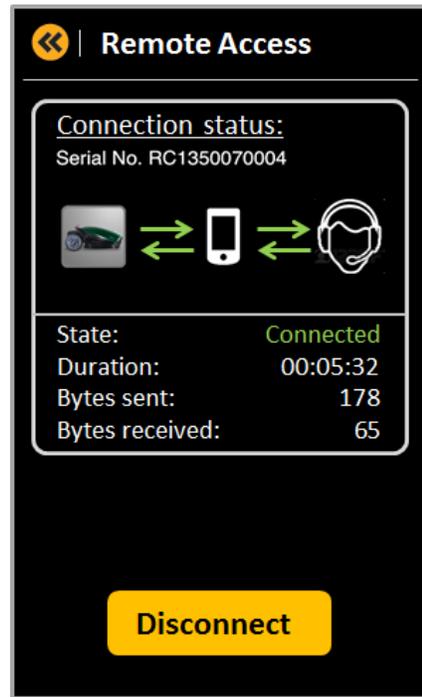
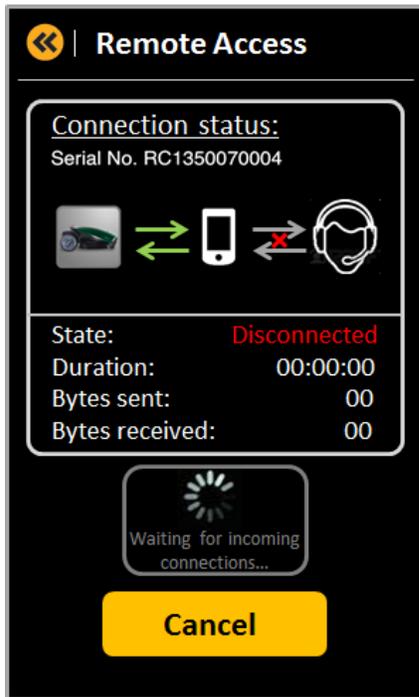
During such a Remote Access session, your mobile device serves as a communication pipe. Therefore, no personal data or other applications on your mobile device can be accessed or harmed by the Remote Access utility.



## ESTABLISHING A REMOTE ACCESS SESSION

1. Open the Robomow App and connect to your mower.
2. Make sure there is an Internet connection available on your mobile device.
3. Navigate to Main Menu → Support → Remote Access. The "mower-phone" link should be green (connected). This indicates that the utility is in a state of accepting incoming connections.

Once the connection with the remote service station is successfully established, a safety warning appears, which you must acknowledge in order to begin the session.



**Important notes:**

- Only an authorized service station that knows the exact serial number of your mower can connect remotely to your mower. It can only connect to your mower when your mobile device is connected to the mower by itself, and running the Remote Access utility.
- You can abort a remote connection to your mower at any moment by pressing the **Disconnect** button.
- You can speak with the service operator on the same phone that is running a remote connection with your mower. The remote access session is not disturbed by a phone call from the same mobile device.

### Android

- For Android 5.0.x Lollipop users we strongly recommend to update Webview System Component to improve Robomow App's performance. To update the Webview component on you device please follow this link: <https://play.google.com/store/apps/details?id=com.google.android.webview&hl=en>
- Some re-connection issues may occur. Most re-connection issues can be resolved by shutting the app down completely (by sliding it away from the list of recent apps) and opening it again. In several cases resetting the mower (switching the off-on) may also be helpful.
- The Android version may be slow or even stuck during initial connection. In such case please wait for a couple of minutes until the spinner disappears.
- Next departure time is currently not displayed for 2015 software version
- Battery capacity percentage has been temporary removed
- Some camera and graphical issues may occur on the following devices: Nexus 7, Nexus 4, Samsung Tab S, Motorola Moto X, Sony Xperia Z1.
- Nexus 7 may require upgrade to Android version 4.4.
- Service screens are not available yet.
- This version cannot connect to a mower while it's in operation.
- Changing font size on a mobile device may cause Remote Control function become unusable. The recommendation is to set the font size back to normal.
- In some rear cases an update of Android OS may cause app's screens to become over-sized. In such case it is recommended to delete your account and to re-install the app from the Google Play store again.

### iOS

- Next departure time is currently not displayed for 2015 software version
- Battery capacity percentage has been temporary removed
- Periodic disconnections due to Bluetooth related issues may occur with iOS 8.0x. We recommend upgrading to iOS 8.1x or higher.
- An upgrade from iOS 7.x to iOS 8.x has caused registration data to get lost in the past. We recommend registering again using exactly the same email and password used during the original registration.