NOTE: Software will change the language automatically when you changed the cell phone’s language.

Once you are ready to install the Android App in your device, please send us an email requesting the material to be downloaded in your phone. Once we response with an attachment, please follow the these instructions:

1. Click on the attachment, which will prompt you to a window with two options: view or save, please click on SAVE.
2. Once the file is save, the app will ask you if you would like to see the directory where the file is save, If you are ready to view it, please say YES.
3. To complete the above action and open the application, you would need to choose a program to open the file (it said: Complete action using). Please choose Chrome.
4. Once chrome opens up you will see: Index of /Storage/emulated/0/yahoo!/mail/.
5. Click on: attachment (Index of /Storage/emulated/0/yahoo!/mail/attachment/
6. Then click on: Robin Tools.apk. Here you will need to answer a security question: 1. This application can harm your device, Do you want to keep Robin Tools.apk? say: OK (Yes).

Once you install the application you are ready to go. However, because your device is set up with security features, before you can run the application you might have to go to setting in your device: settings/security/ to unclick (unlock) unknown sources and Verify apps.

Note: After you installed “Robin Tools.apk” in your device, Please remember to go back to settings/security to click back on unknown and Verify apps. This way you protect your device of possible harm apps.
Bluetooth Connection

Turn on your EcoRover.

On your device, GO to settings/Bluetooth and press scan. The device should detect or read EcoRover and you should see: “Robin d6cfa8b2”, Paired. This combination of numbers and letters will change based on your unit. Once your device detect the unit (example: Robin d6cfa8b2), you will need to paired the Unit. Please enter the numbers 1234 and click on the square that is shown.

To run the unit with the Bluetooth follow this instructions:

1. On your device you need to go to “Robin Tools Application”
2. Second, you need to press the Bluetooth button, which will prompt you to Bluetooth configuration, click on Robin to start Bluetooth.

Note: When the system finds EcoRover or match with the Bluetooth, you will see a blue light on the display board of EcoRover. If the system failed, please click on Adroid’s setting to choose wireless and Internet, then Bluetooth to scan. After scanning go back into the main program and connect.
Introduction to Android’s Software --- Interface

- Information such as: speed limit, mileage, angle, temperature and voltage of Eco-Rover can be displayed as graphical-user to be view in the Interface.

  **Note: Information is presented as long as Bluetooth connection is on.**

- The interface’s menu includes:

  *Firmware Upgrade (FW), Bluetooth Device, Events List, Real Time, Functions, Auto balance.*

Note: The Interface shown in the picture below, maybe different in each phone depending on the screen resolution.

- Bluetooth Indicator (Turn blue when it is linked).
- Angle of the Car-body
- Battery
- Temperature of the Cooling Fin
- Daily Record (Click here to start daily recording)

**SC = Sensor Controller**
**PC = Peripheral**
The Events List consists of Normal Events and Events Error (see the image below). Needed information will be displayed through the changing-over on the Android’s Menu.

- The function of the Events List is to provide us the performance of the end-user.
- Additionally, it benefits with product examination and maintenance.
Real-Time Curves

- Real-time observation and monitoring of status data of Eco-Rover is presented through the Real-Time Curves Display. Choose any of the contents you would like to know and set up the sampling interval (it is defaulted as 100mts). The motor can then show any of the chosen curves. Meanwhile, you can choose to save the data, store the picture or stop displaying from the Menu of the Status Curves.
**Function Setup**

- Frequently used functions as well as parameters setting-up & access are provided by *Function Setup*. Additionally, status such as max-speed setting, Bluetooth naming, revolved zero-alignment, horizontal zero-alignment, firmware version and, serial number access & setup are included.
Auto-balancing

- Auto-balancing is kind of remote control performance, Eco-Rover can go automatically through cell phone controlling, cell phone fixed with Android system.
- See below step: click the “Start”, enter into the manual control then touch the trackball gently and slowly, drag it to the direction that you want; press “Gravity Control”, enter into the Gravity control mode then lie the mobile horizontally, when lean the phone to a certain direction, the trackball will move accordingly, so as Eco-Rover.
- Press “Stop” or step on robin / eco-rover anytime you want, this function will then stop.
WARNING: Before the performance of auto-balancing, do remember an open place with enough friction is needed in that slippery ground will increase the possibility of losing control.

- Please be kindly noted that certain distance shall be kept between Eco-Rover to the users during the performance of auto-balancing. To avoid un-expected accidence because of losing control, please do not touch Eco-Rover and no load should be added on Eco-Rover during auto-balancing performance.
- Speed of Eco-Rover should be limited during auto-balancing performance for the first time.
Firmware Upgrading

*Firmware upgrading* is another way of updating the firmware of Eco-Rover through your cell-phone. The updating process is as follows:

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**WARNING** Please make sure that electric quantity of Eco-Rover and your cell phone shall no less than 20% and 30% respectively.

- System upgrading should be operated under the condition of no load on Eco-Rover.
- Do not power off the cell phone during system upgrading. In the meanwhile, keep the distance between Eco-Rover and the cell phone within five meters.
- When system upgrading finished, quit from the system and re-connect the Bluetooth.

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1) Acquire the unique serial number of your Eco-Rover through this software.
2) Send the serial number to the *After-sales Service of Eco-Rover*.
3) The serial number can then be used to create a correspondingly updating firmware after examination and verification by stuff from Eco-Rover.
4) The *Correspondingly Updating Firmware* will then send back to the end-user through Internet.
5) Save the new firmware into your mini SD card (name the file as “Eco-Rover_update.bin” and store it in the root directory of your mini SD card).
6) Use the main program of your cell-phone and click into *The Interface of Firmware Updating*, the system will then analyze the firmware file (make sure that the bluetooth connection is linked).
7) Click “Begin” for status downloading. This means the process of firmware updating is working on.
8) According to the document size, it will take from 3 to10 minutes for the whole process.
9) Successful hint can be shown through the system as firmware upgrading, process is completed.
10) Power on Eco-Rover with the remote control in case Eco-Rover does not power on automatically after system upgrading.
11) The whole system upgrading process are showed below:
Click “Re-download” in case there's download failure appeared for special reasons.

- If the indicated lamp still shinning, please click “Start Downloading”.
- If the indicated lamp, keep shinning or there’s no light shinning; please click “Download peripheral control unit only”. In case of the above two steps cannot solve the problem, please call our sales department for further information.