Revoluno
Adventure with Venture

Presents

Venture

User Manual

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Table of Contents

Introduction

Thank you for purchasing Revoluno Venture, by Revoluno Technologies!

Venture is a next-generation remote controlled car that is built to support the upcoming technology of wireless communication. It is loaded with an advanced micro controller unit with System on Chip - ESP8266, which makes it operable over the mobile application software.

Take your time to read this user manual carefully and kick-start your adventures with the Venture wifi car!

PICTURE

Product Overview

The venture comes with the amazing package of fun that is :
- Fully configured NodeMCU robot car for operation.
- A battery pack
- A user guide
- An SD card (memory)
- A utility kit

Steps to set up the Venture Wifi Car
- Place the Venture on an elevated surface
- Attach the battery pack with DC connector
- The Venture indicates with two lights
  - Blue light on NodeMCU
  - Red on Motor driver
- Search for "Venture" as wifi name and enter "adventure" as password
- Download and install the application "[NodeMCU-Car](#)" on your Android smartphone.
- After Connecting to "Venture", open the application.
- Set the speed of the car from the slider in the application
- Finally place the Venture car on the ground and you are good to explore.

Product Features

Speed Variation

To vary the speed of the car, slide the cursor given at the bottom of the application (refer to the image below).

- To increase the speed of the car slide the cursor to the right side.
- To slow down the speed, drag the cursor to the left side.`

In this way you can simply change the intensity of the car.

Long Term Power

The lithium-ion battery has a great amount of power that has +12V voltage and 2.67A current so that the little one's enjoy playing with the car continuously for 3 hours and even which can get recharge within just 3 hours.

Rotation at the Position

The car has the special functionality of rotating at a single position.

Important Battery Information

- Remove the battery when the toy is not in use.
- Batteries to be replaced by adults only.
- Do not expose the battery to fire or direct sunlight.

Low Battery Indications

In case,the car moves slower than normal, charge the battery as the power might be low to rotate the wheels of the Venture.
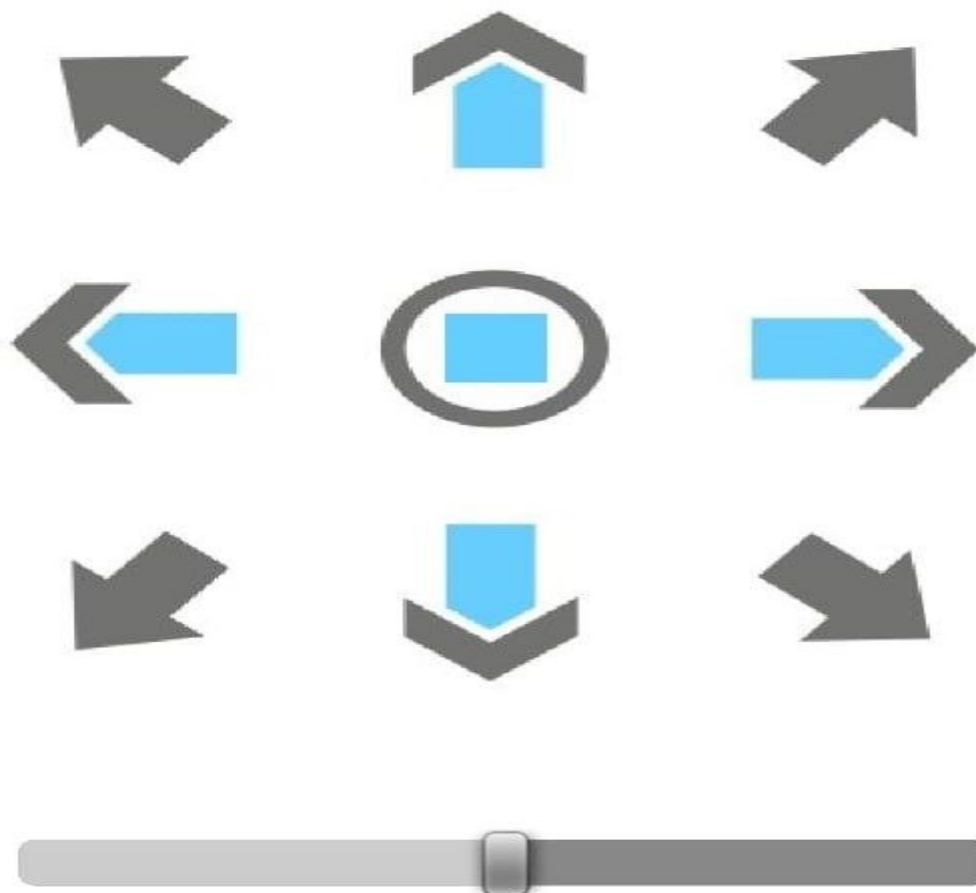
About the Application

This is how the application looks like when it is started

There are various options available for the user:

Upper Arrow-Indicating to move in the forward direction

Right arrow-Indicating to move in the right direction

Left arrow-Indicating to move in the left direction

Downside arrow-Indicating to move in the reverse direction

This option permits the user to customise the speed of the Venture.

Troubleshooting

- Check if the connector of motor driver is connected properly to the battery.In case the connection is loose ,the remote control car might not get the power so make the tight connection between the two connectors.
- Battery replace-If the car is not working there can also be an issue of battery as the battery might have got worn out with time.So in this case there is need of replacement of the battery
- Wifi connection-In case the application buttons are not moving the car, inspect the connection of phone with NodeMCU wifi
- Ip address:Make sure that IP address on the application is 192.168.4.1 as this enables the communication of application with NodeMCU wifi.

Most frequently asked Questions (FAQs)

Q. Venture wifi does not show up in the settings when you try to connect.
Remove the battery pack to restart the Venture and open the settings to connect the Venture car by NodeMCU wifi.

Q. When I try to download the NodeMCU application onto my device it says incompatible with your device.
The provided application is compatible with Android application

Q.Where can I find the application to control my Venture car.
It is present on the official site as well as the in the SD card given along in the kit.

Q. My Venture item turns on, makes a noise then switches off.
This is possibly the case of battery pack getting out of charge as voltage is not enough to rotate the wheels . Recharge the batteries to get maximum output.

Q. My Venture vehicle is driving slower than normal or has trouble turning at a given position.
Ensure that the battery pack is charged and the surface is not too slippery or rough to act as a hindrance to normal functioning of the car .If the problem persists try charging the battery as it can be a cause of issue.

Q. My Revoluno Venture sometimes has trouble tracking the signals from the mobile application.
This means that your mobile device is too far away from your Revoluno Venture. Move it closer and it will start tracking the signals perfectly again!

Q. The application shows me an error that https://192.168.4.1 url not found.
This indicates that your phone is not currently connected to the Venture's WiFi. Connect your phone to the Venture Car's WiFi hotspot and the error will go away.

Utility Kit

- ❏ Screwdriver- To tighten any loose connection that might become a hindrance in normal functionality
- ❏ Charger- For charging the battery pack when the battery gets low.
- ❏ User manual- Document to provide the complete information about the product usage and functionality
- ❏ SD card (application)- Contains the application to control the RC car

Care & Maintenance

1. Keep the unit clean by wiping it with a slightly damp cloth.
2. Keep the unit out of direct sunlight and away from any direct heat source.
3. Remove the batteries when the unit will not be in use for an extended period of time.
4. Do not drop the unit on hard surfaces.
5. Do not expose the unit to moisture or water.