



Ks0436 keyestudio Ultimate Starter Kit For Little Inventor (Zero-based Arduino Learning Robot)

Description:

This is your map for navigating beginning embedded electronics. This kit contains all the information you will need to build the circuit and robot projects for the keyestudio REV4 Board.

When you're done with this guide, you will have built five great projects and acquired the know-how to create countless more.

Now enough talk — let's start something!

Introduction:

The REV4 Board Platform

The keyestudio REV4 Board is your development platform.

The REV4 Board is essentially a small, portable computer, also known as a microcontroller.

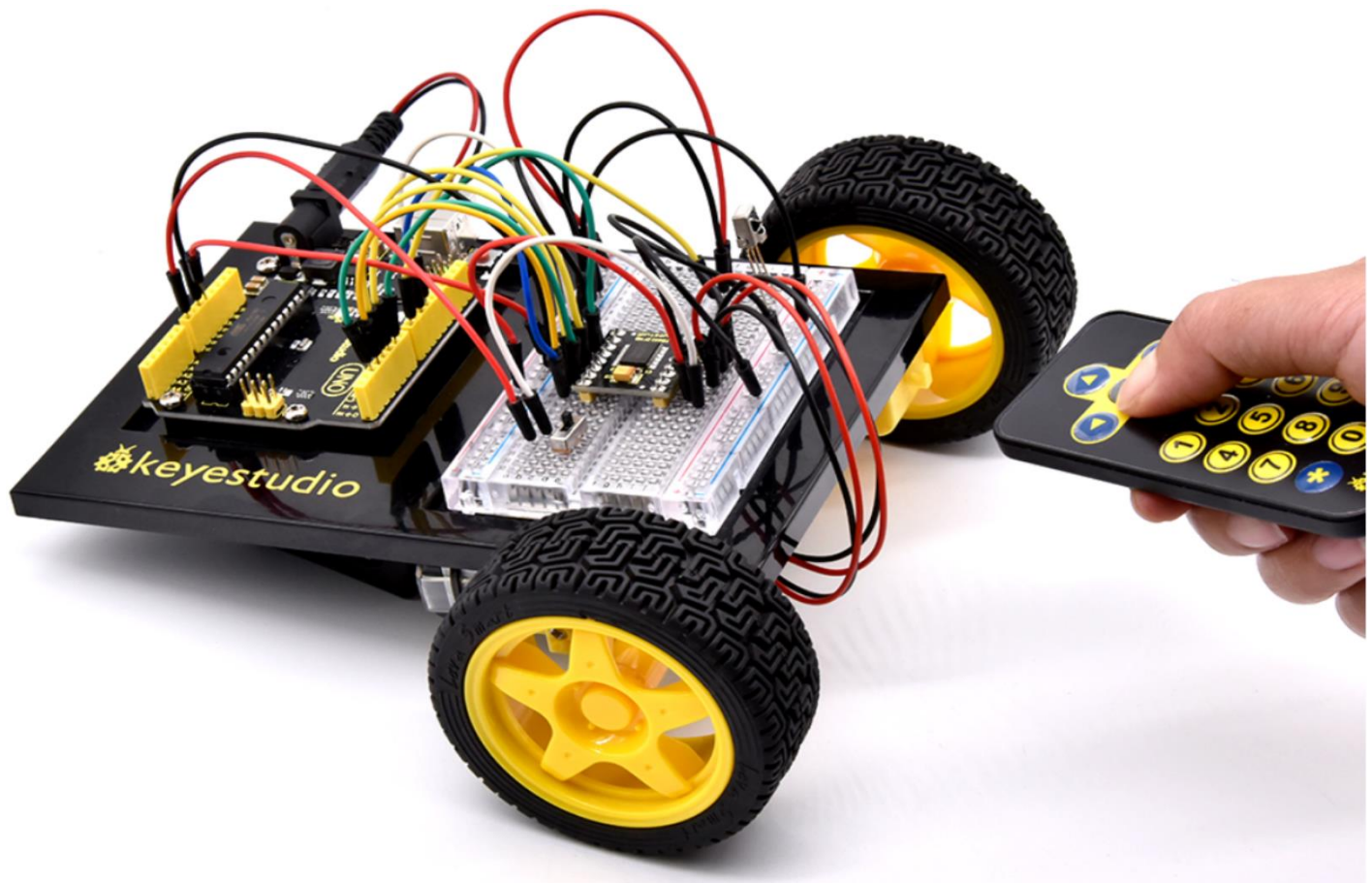
It is capable of taking inputs (such as the push of a button or a reading from a light sensor) and interpreting that information to control various outputs (like blinking an LED light or spinning an electric motor).

This board is capable of taking the world of electronics and relating it to the physical world in a real and tangible way.

The keyestudio REV4 Board is a microcontroller board based on the ATmega328P microprocessor.

It has 14 digital input/output pins (of which 6 can be used as PWM outputs), 6 analog inputs, a 16 MHz quartz crystal, a USB connection, a power jack, 2 ICSP headers and a reset button.

It contains everything needed to support the microcontroller; simply connect it to a computer with a USB cable or power it via an external DC power jack (DC 7-12V) or via female headers Vin/GND(DC 7-12V) to get started.



Resources:

[https://wiki.keyestudio.com/Ks0436_keyestudio_Ultimate_Starter_Kit_For_Little_Inventor_\(Zero-based_Arduino_Learning_Robot\)](https://wiki.keyestudio.com/Ks0436_keyestudio_Ultimate_Starter_Kit_For_Little_Inventor_(Zero-based_Arduino_Learning_Robot))