



EBOTICS CODE&DRIVE ROBOTICS AND PROGRAMMING KIT DYI CAR ROBOT



Product price:

€66.03 tax excluded

Product codes:

Reference: BXCAR01

EAN13: 8427542087986

UPC: 22924

Product description:

The programmable robot car kit Code&Drive allows to develop a great quantity of intermediate level projects, and have fun while you learning how to build a robot car from scratch and to control its electronic components.

The Code&Drive robot car kit helps you take the first steps to learn how to program. Its an educational robot kit suitable for anyone who wants to get started in robotics. It can be used at home and in educational centers that work in the STEAM fields (Science, Technology, Engineering, Arts and Mathematics).

Access to the Code&Drive activities specially designed to learn how to program and control the electronic components included. It can follow a line autonomously, make a sound when detecting an obstacle, or turn its LEDs on depending on the ambient light.

It works with the Build&Code 4in1 board which is open source, so it allows to find a great quantity of free online manuals and exercises to make the most of the electric components included in the kit. Its also to consult the online Arduino and Bitbloq communities to solve doubts.

The robot car kit is personalizable. Its possible to ad sensors and actuators compatible with the Build&Code 4in1 board, and extend the Code&Drive programing possibilities.



Technical specifications

- Build &Code 4in1 (Microcontroller ATmega328P)
- Operating Voltage: 5V
- Input Voltage (recommended): 7-12V
- Input Voltage (limit): 6-20V
- 12 Digital I/O Pins
- 7 PWM Digital I/O Pins
- 6 Analog Input Pins
- DC Current per I/O Pin: 20 mA
- Clock Speed: 16 MHz
- Connectivity Bluetooth 2.0
- Direct connection to DC motors
- Size: 68 x 53 mm
- Weight: 25 g
- Programmable with Arduino IDE, BitBloq and other visual programming software by blocks
- Compatible with Mac OS, Windows and Linux

Box content

- 1 Build&Code 4in1
- 40 Screws M3*16
- 6 Screws M3*30
- 30 Nuts M3
- 26 Nylon spacers M3*3
- 10 Hexagonal metal female-female spacer M3*25
- 1 Battery holder for 6 AA batteries
- 1 Allen wrench M3
- 2 Analog light sensors
- 2 Line-follower sensors
- 1 Blue LED
- 1 Green LED
- 1 Buzzer
- 1 Button
- 1 Ultrasonic sensor
- 1 Holder for the ultrasonic sensor
- 2 DC Motors
- 2 Wheels
- 1 Ball wheel
- 1 USB -Micro USB 2.0 cable

Product features:

Compatibility: Windows / Mac OS



Connectivity: USB / Bluetooth

Type: Robotics kit

Power: USB/6 1.5V AA batteries

Education levels: Secondary

Coding language: Code (Arduino IDE)/Blocks (mBlock 3)