The controlling part of kit is based around Arduino microcontroller, equipped with motor drivers and ISP facility to program it on board.

Features of mechanical assembly:

- Laser cut chassis
- Aluminum brackets
- 150 Rpm BO motors
- Special slots for Line sensors

Features of Robot Controller and Modules:

- AVR Core ATmega8
- On-board motor drivers, for driving 2 DC motors or 1 stepper motors
- On board level converter for USB communication
- On board power regulator
- Terminal block for easy connection of motors
- Protection against noise and back EMF
- Protection against wrong polarity wiring of battery/power supply
- On-board LEDs for debugging and testing
- On-board preset for sensor adjustments

Prerequisites:

- Working Knowledge of C.
  - Syntax and semantics
  - loops and conditions
  - Functions

Package Includes:

- Microcontroller:Arduino
- Pack of essential electronic components and ICs
- Controller PCB:1
- Aluminum parts; 1 set
- 150 rpm,12VDC Geared Motors :2
- Plastic wheels:2
- Castor Wheels
- IR sensor
- DTMF decoder
- Line Sensor
- Power Supply
- Pack of Nuts and Bolts:1
- Programming Cable

Experiments:

- Obstacle Avoiding robot
- Edge Avoiding Robot
- Line Following Robot
- Light Activated Robot
- Cell Phone Controlled Robot
- Computer Controlled Robot

Note: Specifications are subject to change.

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