

MAVIN

Modular Robot Kit



7 Basic modules included

Mavin • Maven • Genius

- Modular construction for easy Transformation
- Valuable educational tool for robotics
- Easy Icon-based visual programming for beginner
- Expandable by optional modules
- Complete no soldering
- Develop skills of microelectronics, programming, robotics, sensors
- Recognise environmental change and response to them by sensor combination
- No bricks required
- Great teaching assistant for group challenge
- Tool for hands-on activity for real world
- Brings into higher stage of C-Programming

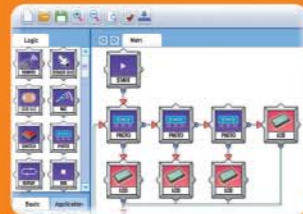
ready • steady • go!

1. Assemble in 10 min!



easy and quick start

2. Program MA-VIN!



icon-based visual programming

3. Experience MA-VIN!



interact with sensors

Applications



Line Tracer
detect and follow line



Light Tracer
interaction with light



Sound Tracer
interaction with sound



Pathfinder
find a way in maze

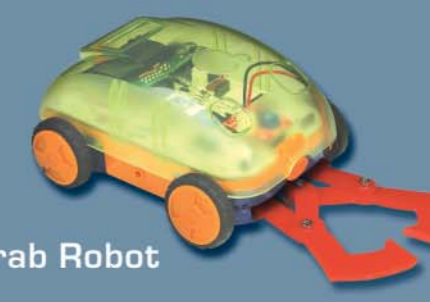


Robot Sports
Soccer, SUMO

Transformations (optional, not included)



Bulldozer



Crab Robot

Set includes

Mainboard

- 5x MA-VIN module sockets
- 1x LCD Display socket
- Atmel microcontroller
- **Sound Sensor**

Photosensor module

- 6x Photo Sensor

Sensor Modules

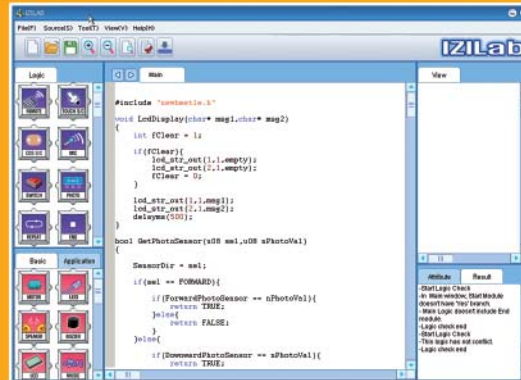
- LCD Display
- Buzzer
- Speaker
- LED Module(4 LED)
- Color Detection Sensor
- Tact Switch Module
- Touch Sensor

Base Components

- 2 Gearboxed Motors
- 2 Wheels
- USB Cable
- Transparent Cover
- Mainboardholder
- Battery Box
- Screws
- Software CD
- Manual

Minimum Requirement

- 256 MB of RAM minimum (512 MB recommended)
- Up to 300 MB of available hard-disk space
- XGA display (1024 x 768)
- 1 available USB port
- CD-ROM drive
- Windows XP
- Intel® Pentium® 3 processor or better, compatible, 800 MHz minimum (1.5 GHz or better recommended)



C-code generation for advanced user

Technical Specification

- ATMEGA64L Microcontroller
- USB 1.1
- 8 char* 2 line LCD
- DC Motor Gearbox
- 4* 1.5 V AAA Battery/DC 5V

Optional (not included)

- 4x AAA battery required
- Optional Remote control



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