

ROBOT KITS

A series of Robot Kits for the future engineer. Build these kits and find out how much fun electronics & mechanics can be!

ESCAPE



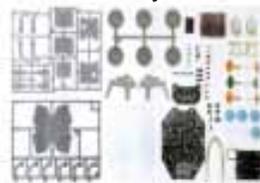
The Escape Robot Kit works just like an A.I. robot. It never fails to find its way out of a maze. The Escape Robot uses 3 IR emitting diodes and 1 IR receiving module to send and receive signals and detect obstacles. The Escape Robot's built-in microprocessor enables it to "think" on its own: it gathers and processes information on its environment so it can avoid any obstacle. The Escape Robot moves about on 6 legs. This kit comes complete with 2 sets of differently designed legs that move in their own distinct way. Fun and excitement are guaranteed! Specifications dimensions: 140 x 150 x 100mm



SCARAB



Scarab is a robot that uses 2 touch sensors to detect obstacles. When its antennas (touch sensor) detect an obstacle, Scarab will first step back and then automatically execute a two-step manoeuvre to avoid the obstacle.

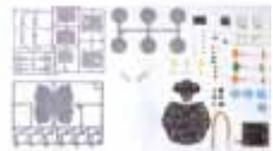


The manoeuvre is a combination of "left turn", "right turn", "reverse" or "stop". The Scarab Robot can be configured with different sets of movements. The Kit comes complete with 2 sets of differently designed legs, which move in their own distinct way. Let the fun begin! Specifications dimensions: 175 x 145 x 85mm

LADYBUG



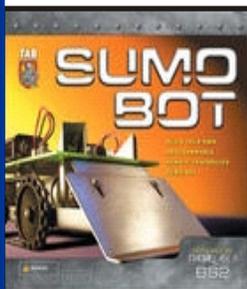
The Ladybug Robot walks on 6 legs and uses infrared emitting diodes for "eyes" in order to avoid obstacles. Ladybug walks straight ahead but automatically makes a left turn the moment an obstacle is detected. The Kit comes complete with 2 sets of differently designed legs, which move in their own distinct way. Let the fun begin! Specifications dimensions: 120 x 150 x 85mm (length feelers : 40mm)



SPACE NINE



Space Nine, an eight-legged star explorer, uses remote control to move and turn. The Space Nine can walk on the rough surface, turn left, right and even cross rocks. When it moves, its first and third legs on one side of its body move with the second and fourth legs on the other side. Create a moon surface for Space Nine to explore and enjoy the fun.



SUMO BOT

Ben Wirz/ Myke Predko

This NEXT GENERATION robot kit from McGraw-Hill features:

- The power of the Parallax BASIC Stamp 2 controller
- A tracked drive for maneuverability over all types of terrain
- Flipping ability to put the competition on its back
- A steel frame that encourages customization
- Mechanical features designed to withstand the shock of combat
- AA battery powered for longer operation

MORE POWER! MORE SOPHISTICATION! MORE FUN!

Here's a fun and affordable way for hobbyists to take their robot building skills to the next level and if they wish, be part of the hottest new craze in amateur robotics: Sumo competition.

Great for ages 14+, the kit comes complete with:

- * Pre-assembled PCB
- * Robot hardware including collision-sensing infra-red LED and receivers
- * Multi-function, dual channel remote control
- * CD-ROM with programming instructions and file chapters of robot building tips and tricks
- * A built-in Parallax BASIC Stamp 2 and prototyping area allowing hobbyists to create their own robot application without having to purchase additional Parallax products

BUILD A POWERFUL
SUMO-BOT DESIGNED
TO WITHSTAND
METAL-AGAINST-
METAL COMPETITION!

LINE TRACKER CAR KIT

A ROBOT CAR YOU CAN BUILD BY YOURSELF!

Here's one robot kit hobbyists will surely enjoy, the Mountain Climber Line Tracker Car. Designed for kit builders, it comes with printed circuit boards, programmed IC, loudspeaker, electronic and hardware components, including gear motors. The high torque gear motor allows the tracker to climb up to a 35-degree slope.

Features:

- Sound activated
- Programmed IC
- Plays songs while running
- Climb the slopes achieving up to 35° climb using high torque gear motor
- Have fun and learn as you design the mechanical parts yourself and use the electronic parts to build your own Line Tracker car.



Power source required:
Electronic parts:
DC6V 1.5"AA" x 4 batteries
Mechanical parts:
DC6V 1.5"AA" x 4 batteries