

OWI ROBOT KITS

None of our OWI Kits require soldering (unless otherwise noted).

AIR ZINGER (Air Technology) OWI-9003

Building on air technology, OWI® has created a robot kit that can inhale or blast out a ball (included) through its cannon-like loader. Zigging and zagging is no problem with its wired controller. You can easily move forward, backward, left and right. What is amazing is the whirlwind effect you create when you activate Air Zinger's wind magnum propeller. When the propeller is activated to retrieve the ball, it is like watching a largemouth bass inhale its lunch. On command, its special compartment stores the ball and launches it. You can create your own games, tournaments, and rules. Quick and easy to assemble. This kit challenges cognitive skills, helps develop fine motor skills, and hand-eye coordination.



Requires one (1) 9V (part # 590009) and three (3) "AA" batteries (part # 590001).

WAO KRANIUS (Limited Edition) OWI-9762

"PUSH MY BUTTONS AND WATCH ME GO!" The 4th generation of WAO programmable robot kits. WAO Kranius is a 2-wheeled robot that you can program to follow an interesting path "WITHOUT" a personal computer. The brain is an 8-bit micro-controller and keyboard with 33 tactile buttons. Stores up to 60 programming steps and 30 FOR-NEXT multiplex loops. 6 vision sensors (two infrared light sensors to detect obstructions and four floor light sensors enables it to detect a contrast of light like an edge of a table). Programming makes you plan ahead, think systematically and logically, develop problem-solving skills, and challenge you to think creatively. Easy to assemble. Intermediate level kit.



Requires two (2) "AA" batteries (part # 590001).

IBM PC Interface - (WIN-9762)

SUMO ROBOT (Infrared Sensor) OWI-9647

Now OWIKIT brings the Sumo tradition to your home. The super warrior, SUMO ROBOT, can be controlled to assail and overpower its opponent or retreat to prepare for battle. An infrared sensor beam is emitted when detecting an opponent. Upon detection, it instructs the brain of SUMO to "charge", thereby creating a bona fide wrestling match!

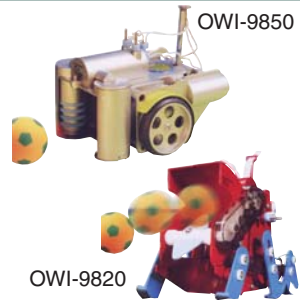


Requires four (4) "AA" batteries (part # 590001).

Movement: 2 tractor style wheels powered by 1 DC motor. Control: Infrared sensor/detectable range: approx. 350mm (max.).

SOCCER PRO (Wired Control) OWI-9850

There will be many hours scoring goals on the living room coffee table with SOCCER ROBOT. SOCCER ROBOT has six operational kicking mechanisms and includes a control box and ball. It runs forward, backward, turns left or right, and executes 360-degree turns. It will even help develop your hand/eye coordination skills.



Requires four (4) "AA" batteries (part # 590001).

Assembled Electronic Printed Circuit Board. Movement: 6 legs driven by 2 DC motors in a crank motion. Control: Wire remote.

OWI-9820 Soccer Jr.

SPIDER III (Infrared Beam) OWI-9727

With its radical walking style, this intelligent robot avoids interference by emitting an infrared beam which detects obstacles in its path. It then sends command signals in the form of electronic pulses to alter the rotating direction of its motor to evade these obstacles.



Printed circuit board pre-assembled. OWI-972K (PCB Unassembled) - Soldering Req'd

Requires one (1) 9V (part # 590009) and two (2) "AA" batteries (part # 590001).

JUNGLE ROBOT (Sound Sensor) OWI-9870

Jungle Robot traverses "hand over hand" like an orangutan or walks on the ground like a gorilla. Amaze and surprise your friends with its ape like animation. A condenser microphone and printed circuit board controls your multi-function friend. When you think jungle robot is asleep, just cry "Wake UP!" Your robot will immediately start climbing or walking for a pre-set time and reset itself waiting for another command.



Requires one (1) "AA" battery (part # 590001).

OWI-870K (PCB Unassembled) - Soldering Req'd

HYPER LINE TRACKER (Infrared Sensor) OWI-9737

This cyber bug possesses a sonic tracking system, and is fortified with a multitude of sensors: photo transistors to detect a black line, tracking memory to memorize its last track of the black line, and two red LEDs that to tell you which side of the light sensor is activated.



Hyper Line Tracker follows a designed course. By using an infrared emitter, light sensor circuitry, and tracking memory, it demonstrates how robots "see" a pathway. Make a path with a black felt tip marker or black tape and watch how infrared sensors enable the robot's motors to make course corrections. Printed circuit board pre-assembled.

Requires four (4) "AA" batteries (part # 590001).

OWI-973K (PCB Unassembled) - Soldering Req'd

4 in 1 ROBOT KIT (Sound Selector) OWI-9874

4 in 1 Robot Kit features 4 different methods of movement: Traversing - hand over hand (Orangutan mode), 2 legged walking (Gorilla mode), 4 legged walking (Centaur mode) and 6 legged walking (Spider mode). Discover the dynamics of animal locomotion. This is an excellent beginner series robot. This battery-controlled kit can teach the basic principles of robotic sensing and locomotion. It features a pre-assembled printed circuit board, hardware, and mechanical drive system that can be handled by almost anyone from age 10 and up.



Requires one (1) "AA" battery (part # 590001).

COMET (Sound Sensor) OWI-9742

COMET is quick to respond and scurries speedily on command. A condenser microphone and a printed circuit board control this OWIKIT. Each time its sound sensor hears your command it reacts. COMET possesses three radical features: sequential commands, random control, and drawing capabilities. The two-wheeled mechanical marvel can be controlled in its sequential mode. Clap your hands or make any loud sound to control it. For each sound COMET will begin a new action. The sequence of commands are Forward, stop, spin clockwise, and stop. Random control allows COMET to make its own decisions. Drop a marking pen in COMET's pen holder, and command it to draw.



Requires two (2) "AA" batteries (part # 590001).

WEASEL (Touch/Light Sensors) OWI-9910

"THERE GOES... WEASEL!" Weasel has two sensors that allow it to "see" a line or "feel" its way along walls and around corners. The two motors and contact sensor activate the wall sensing micro switch to control the motors' on/off operation that determines the path of a wall. It is the classic robot design using the "Left Hand Rule" to escape mazes. Imagine the endless mazes that can be set up for Weasel to try to escape! With OWI's™ continued pursuit in making robots "smart", they have added another feature to this little bundle of energy... a sonic tracking system. Discover and learn about the phototransistors underneath Weasel that enable it to detect and follow a black line. Want speed? Its three-speed gearbox will help navigate at the velocity you determine. Quick and easy to assemble, this is a beginner robot that makes great entrants for robotic competitions, robotic workshops, after-school programs, special events, gifts, science enrichment camps, and classroom activities.



Requires two (2) "AA" batteries (part # 590001).

OWI-991K (PCB Unassembled) - Soldering Req'd

COMPUTER INTERFACES

WII - IBM - PC Interface & Software for WAO II or WAO G

Connects to an IBM compatible computer's parallel port; download routines from BASIC programs. Eliminates repetitive code entry.

WIIAP - Apple II Kit also available

007 - IBM - Interface & Software for Robotic Arm Trainer

Features programming, saving, editing, and downloading capabilities. Computer or manual control. System Requirements DOS: PC 386 (or better), parallel port, DOS 4.2 (or higher), 2MB RAM min., and 300k hard disk free space. System Requirements for Windows: Windows compatible mouse, Windows 95 or 98, 4MB RAM min, 4MB hard disk free space.

SELECTABLE GEAR BOX (One Touch Selector) OWI-GB25

A great Science Fair project item! If you need speed variations, then look no further. Drive pulleys, cars, wheels, or fans with high torque or speed. Adjustable mounting brackets allow for flexibility in project application. With one touch of the slide switch, three gear ratios are possible: 6.8:1, 45.97:1, 310.74:1 or 17.68:1, 119.52:1, 807.93:1.

Motor Performance at maximum efficiency: Voltage: 1.5 - 3.0. Speed: 6,992 RPM. Current: 0.663A. Voltage: 6.02GCM 0.591MNM.

Dimensions: 2 3/8" x 1" x 1 3/8". Weight: 5 oz.

