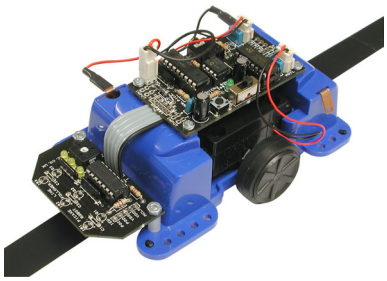
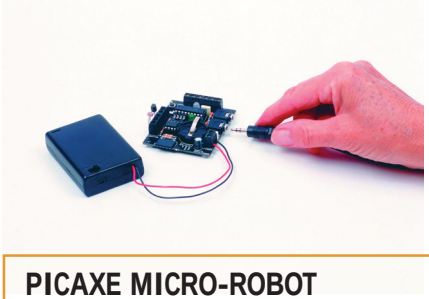
18 PIN PICAXE PROJECT KITS

PROJECT KITS FOR THE PICAXE-18 MICROCONTROLLERS!



The PICAXE-18 project kits are the next step on (after the simpler PICAXE-08 projects) for the student / hobbyist who wishes to increase their PICAXE programming knowledge and construction skills.
Each PICAXE-18 project kit includes fully comprehensive construction notes, soldering instructions and program examples. Each kit contains a professional quality PCB and all components and chips required.

The Simon Says, Lock and Push Button Game provide an introduction into different programming techniques. The Micro-Robot system provides a modular robot system that can be developed and customised as the user develops their individual programming and electronic skills. Further details about the micro-robot system can be found on the separate micro-robot information sheet.

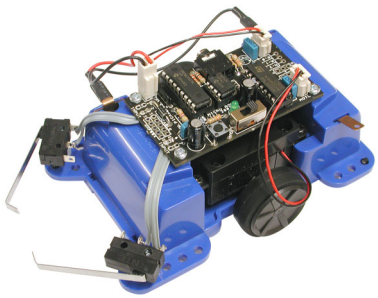


PICAXE-18X DATALOGGER

The PICAXE-18X datalogger is a complete self contained 4-channel datalogger. The kit is supplied with a digital temperature sensor and light sensor, and other sensors (e.g. humidity) are available separately. The 'Datalogging Wizard' within the Programming Editor software allows step-by-step configuration of datalogging missions, and simple extraction and analysis of the logged data.

PICAXE MICRO-ROBOT

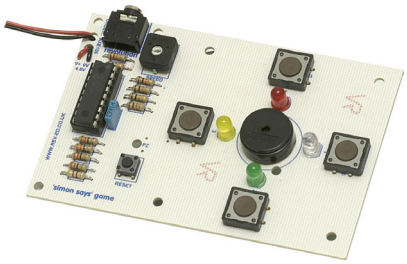
The PICAXE micro-robot starter pack contains the micro-robot chassis/gearbox unit, pre-assembled controller board, bumper switches, download cable and PICAXE CDROM. Line follower, infra-red and ultrasonic range finder upgrade kits are also available separately. Requires 4x AA batteries (part BAT002).



PICAXE Micro Robot Kit:	**AXE120S**
Line Follower Kit:	**AXE121**
Ultrasonic Range Finder:	**SRF004**

SIMON SAYS GAME

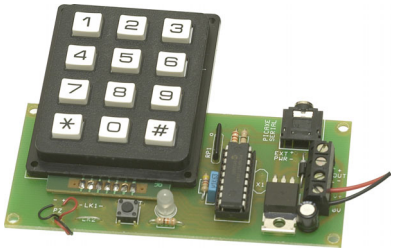
The classic 'Simon Says' game produced on a low cost PCB using the PICAXE-18A microcontroller. This self assembly kit uses 4 LED indicators which display a random pattern whilst a piezo sounds. The user must then try to 'copy' the pattern. How many steps can you remember?



Simon Says Game PCB:	**AXE106**
Simon Says Game Kit :	**AXE106K**
AA battery (3 required):	**BAT002**

PICAXE KEYPAD LOCK

This low-cost self assembly project uses the PICAXE-18 microcontroller interfaced to a keypad, into which secret PIN numbers can be entered. A FET output can then be used to activate a solenoid bolt (not included). Includes bi-colour LED indicator and piezo sounder.



PICAXE Keypad Lock Kit:	**CHI008**
AA battery (3 required):	**BAT002**

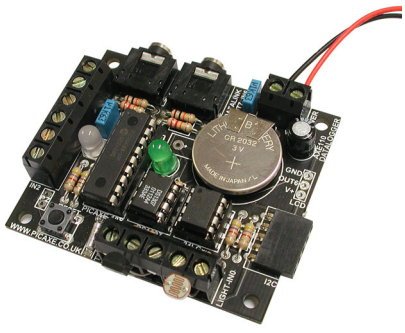
PUSH BUTTON GAME

This self assembly project provides 5 LED indicators, a piezo sounder, a large push switch and variable resistor input. The project can be configured as a countdown timer or as an independently designed game by programming. Plastic case is available separately.

Electronic Game PCB:	**AXE104**
Electronic Game Kit :	**AXE104K**
Plastic Case Assembly:	**AXE104C**

PICAXE-18X DATALOGGER

The PICAXE-18X datalogger is a complete 4 channel datalogger, supplied with LDR light sensor and digital temperature sensor. Uses easily expandable i2c EEPROM to store data, and additional sensors can be added as desired. Available either as a kit or pre-assembled.



PICAXE-18X Datalogger (kit):	**AXE110**
Pre-assembled Datalogger:	**AXE110P**
PICAXE download cable:	**AXE026**

DATALOGGER OPTIONS

The DS1307 real-time-clock upgrade adds accurate time/date functions to the basic datalogger system.
Real Time Clock Upgrade: **AXE034**

The datalogger memory expander increases the memory capacity of the datalogger. Requires 4 or 8 24LC256 EEPROMs.
Datalogger Memory Expander: **AXE111**
24LC256 EEPROM chip: **MIC050**

The serial LCD module allows the datalogging readings to be displayed whilst the mission is active. Uses serial or i2c interface.
Serial/I2C LCD Module: **AXE033**

The speech synthesizer allows the datalogger to speak the logged data values!
Speech Synthesizer: **SPE030**

HIH3610 Humidity sensor
Humidity Sensor: **SEN008**

Use a piezo to add sounds to the system.
Piezo Sounder: **SPE002**