



# Elektor MIT App Inventor Bundle

KIT-18006

## DESCRIPTION

The Elektor MIT App Inventor Bundle is a kit built to help learn about developing apps for Android compatible mobile devices using the MIT App Inventor online development environment. MIT App Inventor projects can be in either standalone mode or use an external processor. In standalone mode, the developed application runs only on the mobile device (e.g. Android). In external processor-based applications, the mobile device communicates with an external microcontroller-based processor, such as Raspberry Pi, Arduino, ESP8266, ESP32, etc.

The kit comes with a book and a selection of parts that correspond with a number of projects. Check out the features and Includes tab for more information

## INCLUDES

- MIT App Inventor Book
- Elektor MIT App Inventor Starter Kit
  - 4x LED
  - 4x 470 Ohm resistor
  - 1x 330 Ohm resistor
  - 1x 1K resistor
  - 1x 2K resistor
  - 1x 100 Ohm resistor
  - 1x DC motor (small)
  - 1x DHT11 sensor
  - 1x 1N4148 diode (small)
  - 1x 4-way relay module
  - 1x HC-06 Bluetooth module
  - 1x Parallel LCD 16x2 monochrome
  - 1x I<sup>2</sup>C LCD
  - 1x LM35DZ sensor chip
  - 1x Small stepper motor (28BYJ-48)
  - 1x Stepper motor driver board (ULN2003)
  - 1x ESP-01 processor
  - 1x NPN transistor BC547
  - 6x F-M jumper wires
  - 6x M-M jumper wires
  - 1x Breadboard (small)

## FEATURES

- Projects Include:
  - Using the text-to-speech component
  - Intonating a received SMS message
  - Sending SMS messages
  - Making telephone calls using a contacts list
  - Using the GPS and Pin-pointing our location on a map
  - Speech recognition and speech translation to another language
  - Controlling multiple relays by speech commands
  - Projects for the Raspberry Pi, ESP32 and Arduino using Bluetooth and Wi-Fi
  - MIT APP Inventor and Node-RED projects for the Raspberry Pi

Note:**Notice.** This product requires other products in order to function properly.

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## Essentials



Raspberry Pi  
Zero W (with  
Headers)

○ DEV-15470

<https://www.sparkfun.com/products/18006/5-2-22>