STEM Educational

CRUMBLE Controller and CODING

This truly game-changing device opens up countless possibilities for 'embedded intelligence'.

What makes it unique is the much lower cost than any comparable device (about the same as our IQ4 controller) and the ease of use.
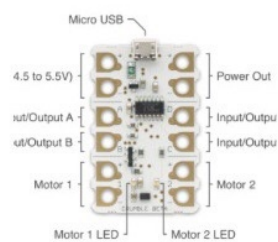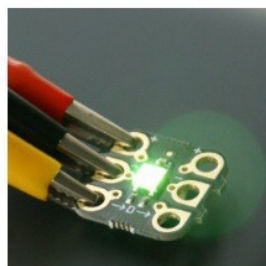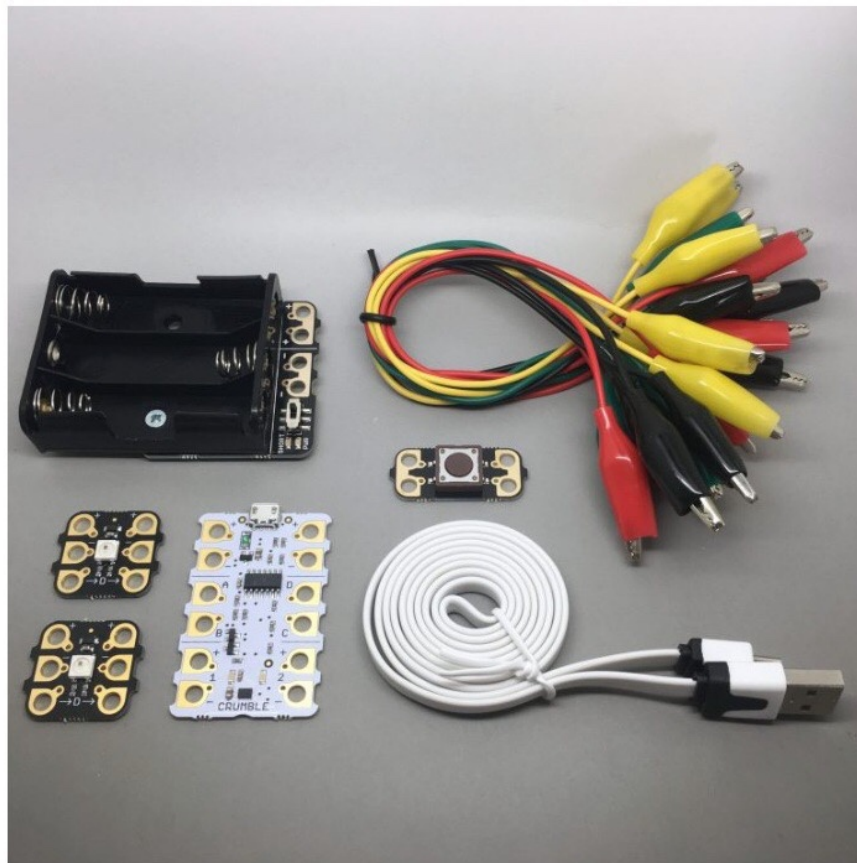Non-electronics specialists can use it right away BUT, at the same time, it offers unlimited potential for advanced users – including electronics professionals.

You simply create a programme on a computer screen by moving icons into the right position – e.g., to turn things on and off – and then plug in the Crumble. The programme is immediately transferred and turns Crumble into whatever you tell it to do. Drawing power from a very small battery, it might be applied to anything from turning LEDs on and off in smart clothing to driving and steering a robot.

Crumble Starter Class Kit

€445.55

Contains15 x Crumble controller
180 x Croc leads
230x Sparkles (controllable RGB LEDs)
15 x Crumble-friendly switch 1 x Micro USB cable
15x Crumble-friendly switched battery box
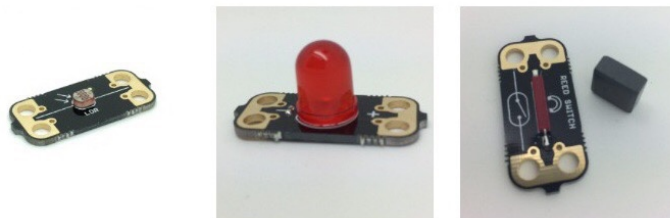Full lesson plan and instructions

Crumble-friendly components (class pack)

€374.25

A selection of commonly used electronic components, mounted on PCBs with croc-clip friendly connections:

Bulb
Large red LED
Tilt switch
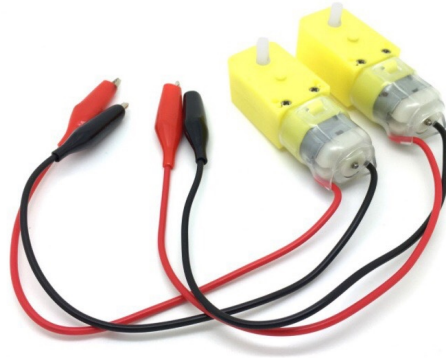Reed switch & magnet
LDR
Buzzer
Toggle switch
Micro-switch

Standard symbols and wiring guidance are printed on the back of the crumbs. This aids the teaching of basic electronic circuits, with or without the Crumble.

Pair of Geared Motors Class Pack:

€114

30 geared motors with croc-leads soldered on. Ready to connect to your Crumble.

Pair of Wheels for Geared Motors

€50.25

30 Pairs of wheels that simply push -fit on to the axel of the geared motors.