



## CodeBug Summary

The programmable wearable that anyone can learn to use. Program CodeBug using easy to use blocks online to create your own badge, game, card, clothes or whatever wacky invention you have in mind!

CodeBug is fun to play with but more than just a toy, it is designed to be easy to learn in minutes and to be used to teach the fundamentals of programming, physical computing and electronics.

### Hardware overview

- ❑ 25 LEDs in a grid
- ❑ 2 buttons
- ❑ 6 crocodile clippable pads (4 input/output, power and ground)
- ❑ Micro USB socket
- ❑ Expansion port for I2C, SPI and UART

### Software overview

- ❑ Blockly based online programming interface
- ❑ CodeBug emulator for checking code before downloading
- ❑ Online project storage and sharing
- ❑ Tethered mode for computer/bug interaction with user programs
- ❑ Step-by-step walkthrough guides with error checking