

2 Make the LED flash

1. Build the Flowcode program.
2. Connect the LED Unit to PORT B and create one LED, connected to Port B0.
3. Configure the components as follows:

Display name Repeat
Loop while 1
Test Loop at the Start

Display name Switch LED off
Value 0
Port PORT B
Output to Single Bit 0

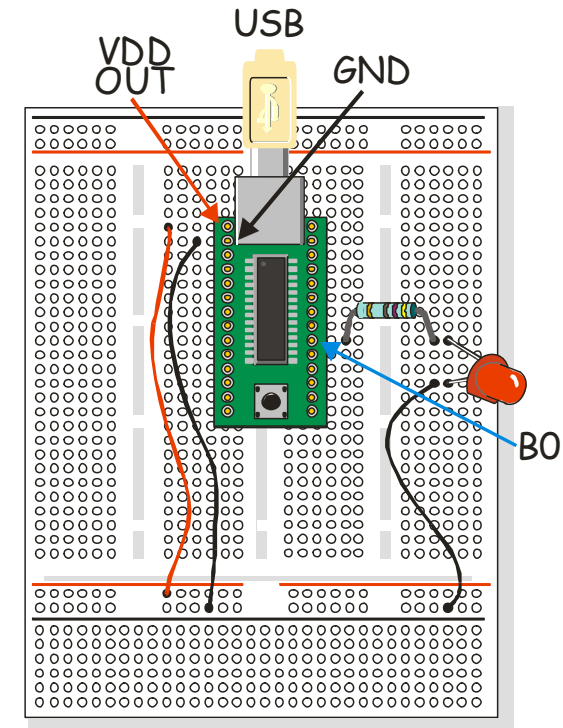
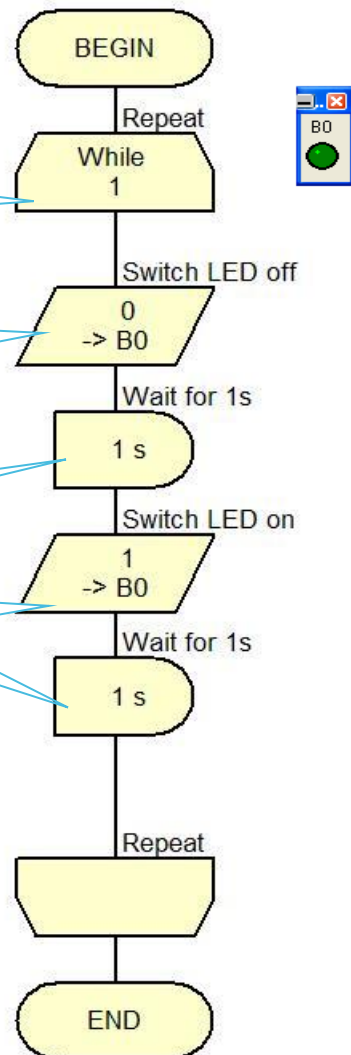
Display name Wait for 1s
Delay value 1 second

Display name Switch LED on
Value 1
Port PORT B
Output to Single Bit 0

4. Save the Flowcode program, and then compile it to the chip.
5. Build the circuit, shown opposite, on the prototype board.

Further work:

Modify the program so that the LED flashes twice as fast.



Circuit notes:

- Make sure that the LED is plugged in the right way round!
- The LED is protected by a 470Ω resistor.