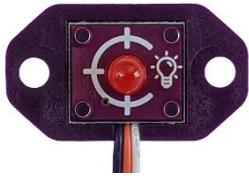


LED bit datasheet



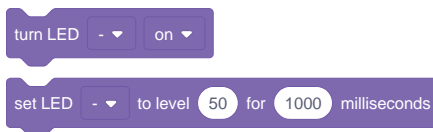
The LED is an output bit that emits light. LED stands for 'light emitting diode'. The LED bit comes in three different colours (red, orange, and green).

The LED can be turned on and off.

The brightness can also be controlled (but not in parallel with executing other code).

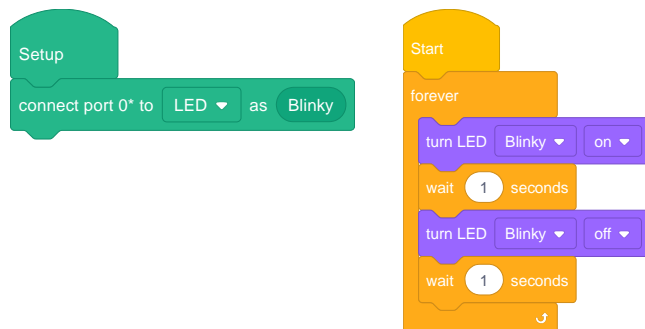
Use in ports	Stencil guide	Bit type	Block category
0 - 7	④	Output	LEDs

Programming blocks



Example program

This example program will continuously turn the LED bit on for one second then turn the LED bit off for one second.



In the real world

LEDs are used in real world inventions to indicate the status on an invention. Different colour LEDs are used to quickly communicate what is happening.

Here are some examples:

- Red LED = On, danger and stop
- Green LED = Ready, good and go
- Orange LED = Caution, slow down

Battery rechargers use different colour LED lights to indicate whether the batteries are recharging (red LED) or charged (green LED) and ready to use.

