

Button bit datasheet



The button is an input bit that allows a user to command an invention to do something by pressing a button.

The button bit has two states: 'pushed' and 'released'. The default state for the button is 'released.'

The button bit has a removable button cap (red, green or white).

Use in ports	Stencil guide	Bit type	Block category
0 - 7	②	Input	Sensing

Programming blocks

The 'button pushed' block is best used when the result needs to repeat (like a volume up button).

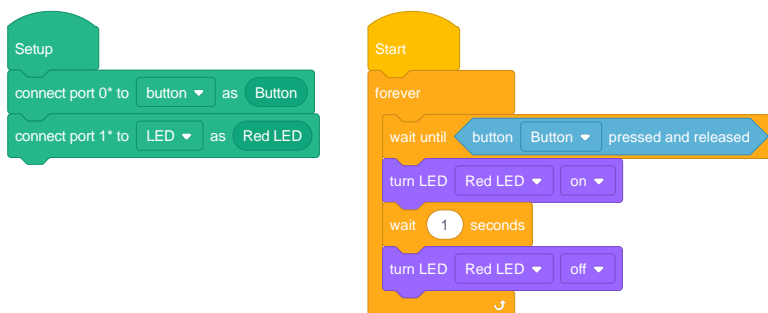


The 'button pressed and released' block is best used when the result needs to happen once only (like a power off button).



Example program

This sample program will light the red LED bit for one second when the Button bit is pressed and then released.



In the real world

Buttons are used in many inventions to allow a user to easily input commands. Some real-world examples are doorbells, TV remote controls, and computer keys. Buttons are a simple user input that can be labelled, numbered, or coloured to indicate their function. Green buttons usually mean 'start' or 'on' and red buttons usually mean 'stop' or 'off'. Using these colours can allow a user to quickly control an invention that could be dangerous, such as a drill.

