

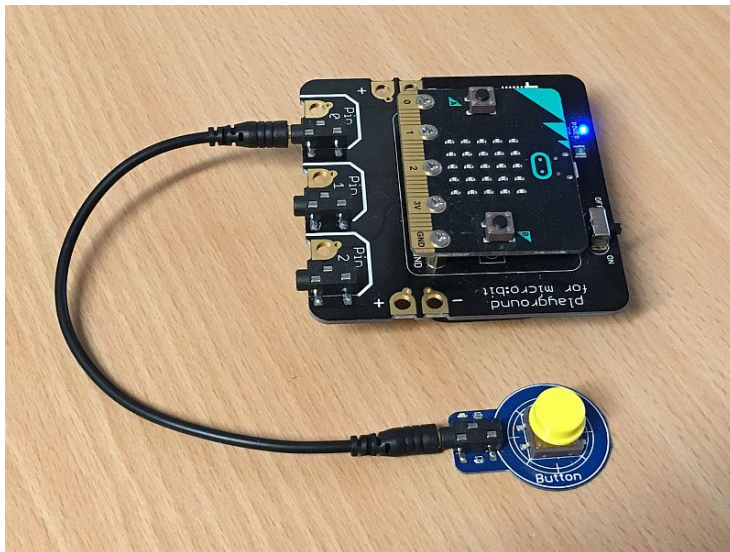
Using the Button Gizmo with Playground for micro:bit

Requirements:

- Playground for micro:bit with micro:bit and batteries
- Button Gizmo
- 1 x Connection cable

Connections:

1. Switch Playground OFF
2. Plug connection cable into Gizmo and Pin 0 on Playground
3. Switch Playground ON



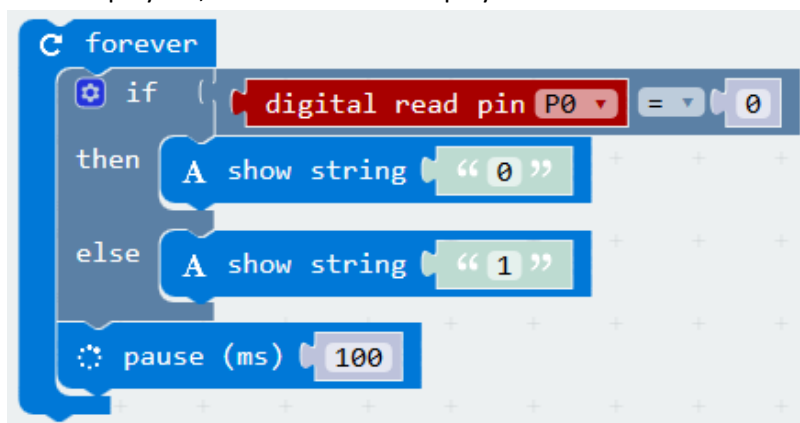
Without Software:

Press the button on the Button Gizmo

- ➔ LED on Gizmo will light
- ➔ LED on Pin 0 of Playground will light

PXT Software Demo:

This loop will use “Digital Read” from Advanced tab to check the state of Pin0. If it is 0 (not pressed) it will display a 0, otherwise it will display a 1



MicroPython Software Demo

The same software in micropython is:

```
from microbit import *  
while True:  
    if pin0.read_digital() == 0:  
        display.show("0")  
    else:  
        display.show("1")
```