



# 1 - Colorful LEDs

Added libraries:



NeoPixel

Tone

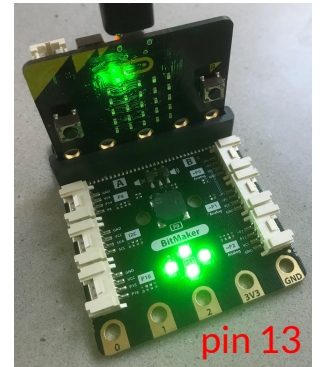
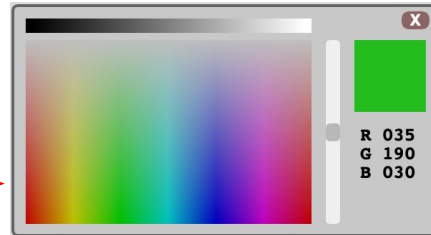
Configure the number of pixels and the signal pin with the “attach” block.

when started

attach 4 LED NeoPixel strip to pin 13

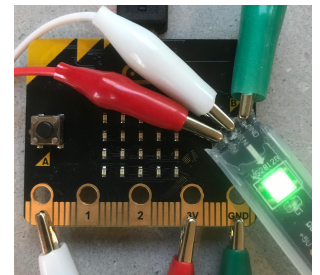
Set all NeoPixels to the same color using the color picker, or drop an RGB or random color block into it.

set all NeoPixels color



pin 14

pin 0



The “rotate” block is handy for creating cool patterns. Try making some!

when started

attach 4 LED NeoPixel strip to pin 13

set NeoPixel 1 color

forever

wait 200 millisecs

rotate NeoPixels by 1

when button A pressed

comment set new color

clear NeoPixels

set NeoPixel 1 color random color

Challenge: This script fades out from bright red. Can you modify it to fade from red to blue?

for i in 255

comment fade out - bright to off

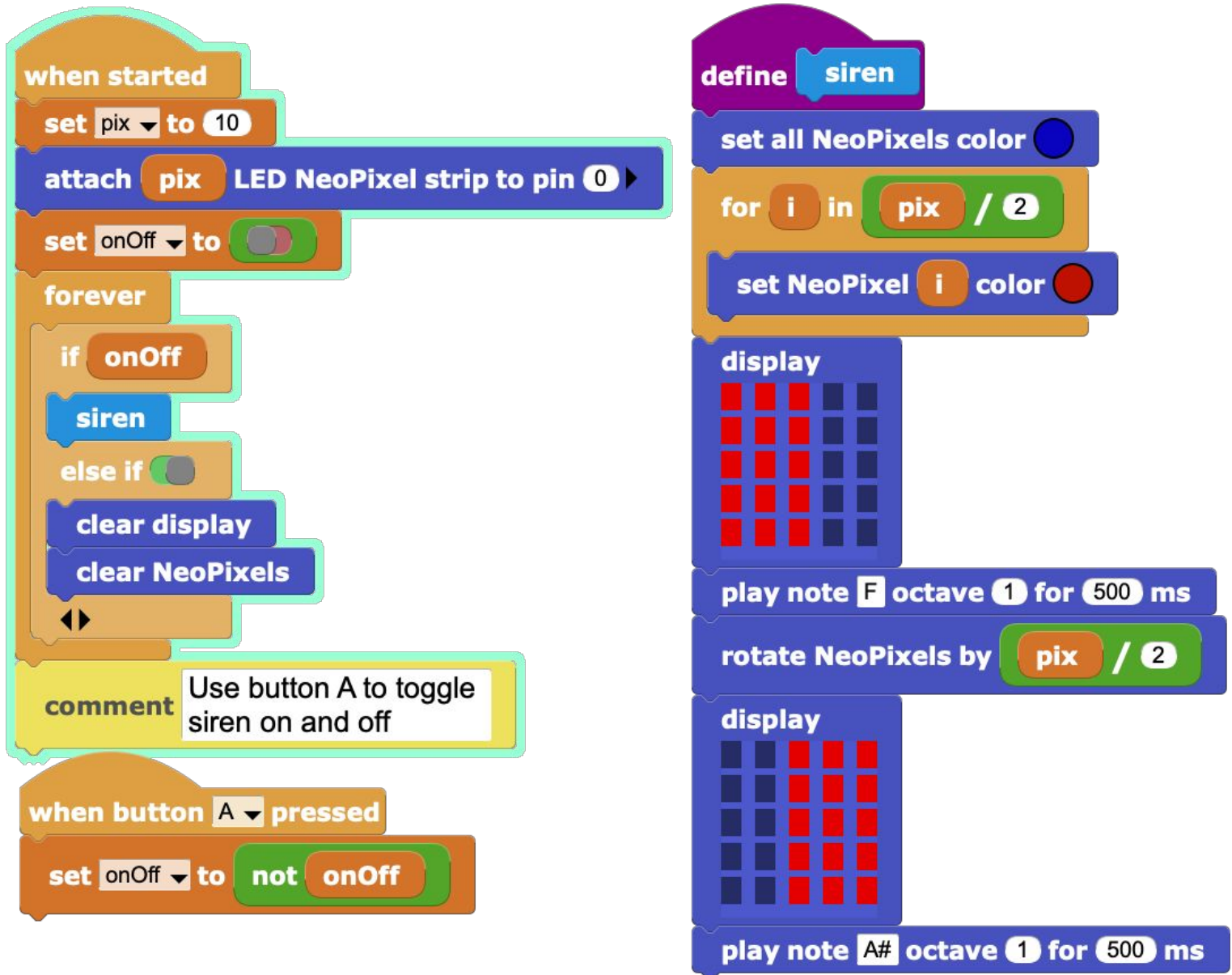
set all NeoPixels color color r 255 - i g 0 b 0 (0-255)

wait 5 millisecs



## 2 - Ambulance

In this (Euro-style) Ambulance example, LEDs and sound are “in sync”.



Challenge: Start with any music example, then dazzle your friends by incorporating NeoPixels that “dance” to the music in the script.