

Brightness gradient

Hardware requirements: mBot/mCore Control Panel

Implementation: Upload the program to Arduino

Example programs

```

mBot Program
forever
  set red to 0
  repeat 60
    set led on board all red red green 0 blue 0
    change red by 1
    wait 0.05 secs
  
```

Script description

Define Variable **red** as the brightness value of the red light of the onboard LED.

Set the initial value of Variable **red** as 0, and then the onboard LED is initially off.

Set the varied value of Variable **red** and the brightness increases by 1 each time

Avoid excessively fast change of the red light. Wait to control its changing speed.

You can adjust the number “60” here and set the maximum brightness the onboard Led can achieve.

Download: [Brightness gradient.sb2](#)