



When the button is pushed, it reads the pot (0 - 1023), divides it by 100 (0 - 10), adds 1 (so it flashes at least once), then does that many flashes on the InfraRed LED. The receiver is tuned to look for a frequency of 38khz on the InfraRed signal.

```

setup
  int = variable IRTx
        value 11
  int = variable button
        value 2
  int = variable indicator
        value 3
  int = variable pot
        value A0

loop
  test digitalRead() # button = LOW
  while
    delay ms milliseconds 10
  delay ms milliseconds 500
  int = variable potValue
        value analogRead() # pot
  int = variable potValue
        value potValue ÷ 100
  int = variable potValue
        value potValue + 1
  digitalWrite() # indicator HIGH
  repeat times potValue
    tone frequency 38000
      milliseconds 100
    delay ms milliseconds 100
    noTone pin# IRTx
    delay ms milliseconds 100
  digitalWrite() # indicator LOW
  
```

