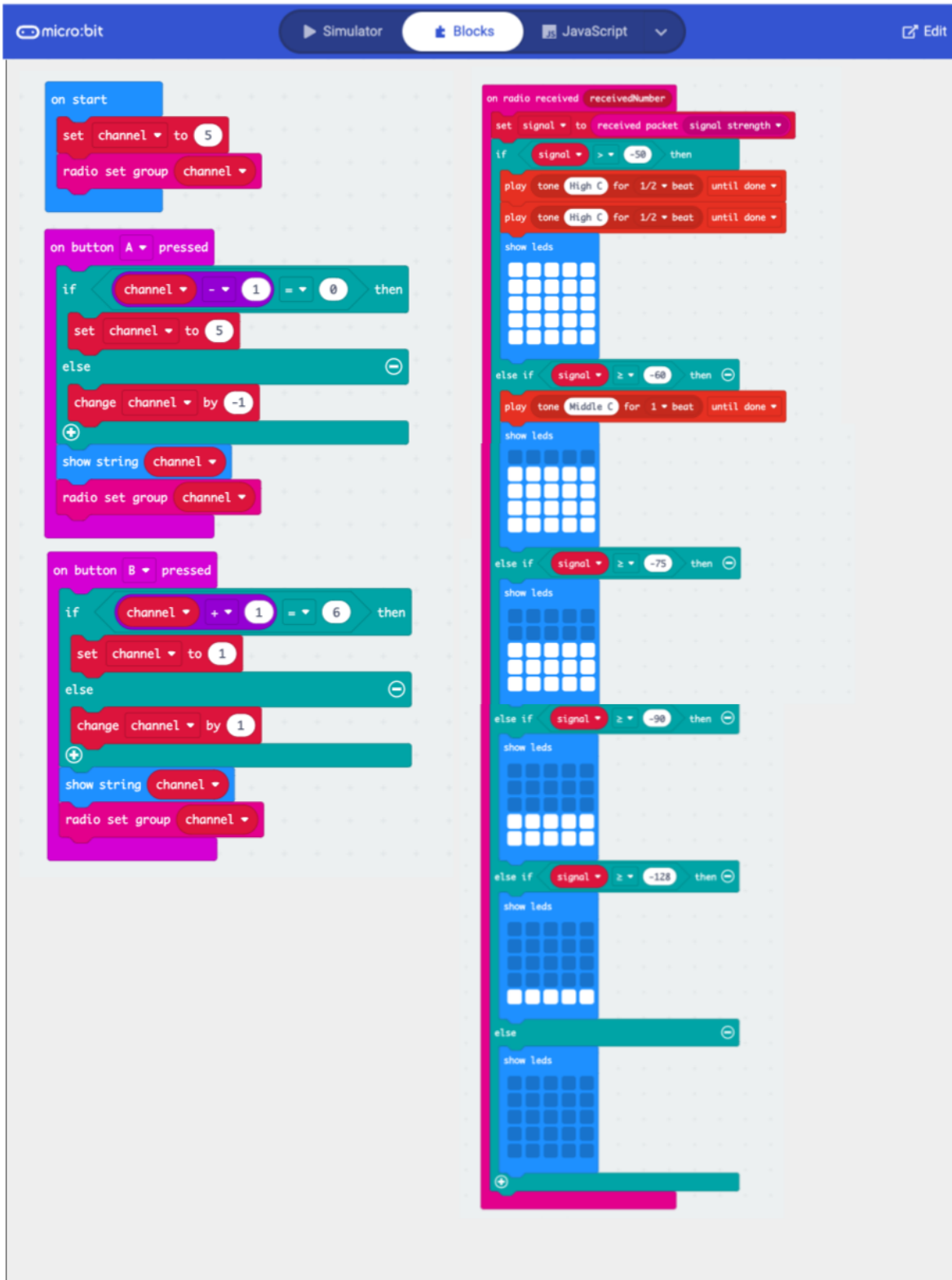


# Signal Strength Detectives - Receiver code



The image shows a Scratch code editor for a Micro:bit project. The code is organized into three main sections: initialization, channel control, and signal strength detection.

```
on start
  set channel to 5
  radio set group channel

on button A pressed
  if channel - 1 = 0 then
    set channel to 5
  else
    change channel by -1
  show string channel
  radio set group channel

on button B pressed
  if channel + 1 = 6 then
    set channel to 1
  else
    change channel by 1
  show string channel
  radio set group channel

on radio received receivedNumber
  set signal to received packet signal strength
  if signal > -50 then
    play tone High C for 1/2 beat until done
    play tone High C for 1/2 beat until done
    show leds
  else if signal >= -60 then
    play tone Middle C for 1 beat until done
    show leds
  else if signal >= -75 then
    show leds
  else if signal >= -90 then
    show leds
  else if signal >= -128 then
    show leds
  else
    show leds
```

