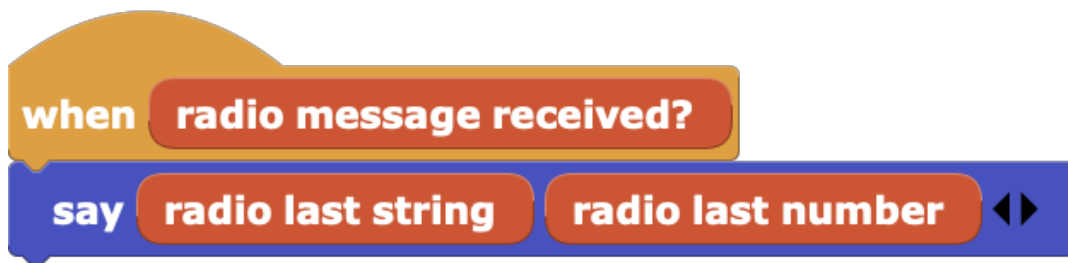Connect the micro:bit to MicroBlocks.

Radio blocks let micro:bits communicate without wires! You need two micro:bits: one to be the sender and the other to be the receiver.
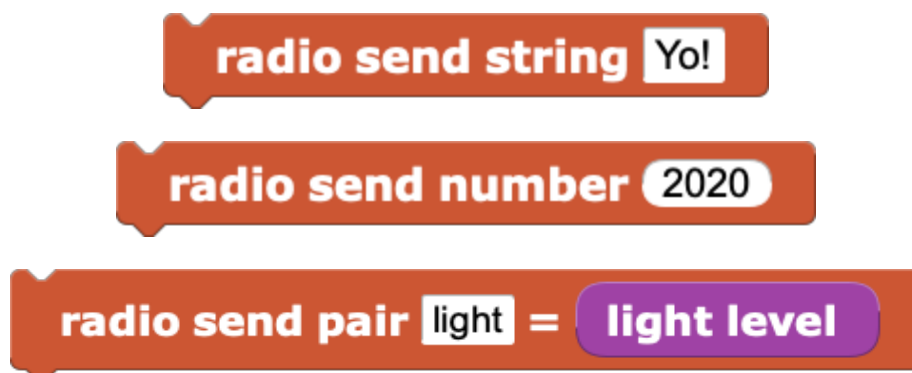
Add the Radio library: Libraries **+**   🟥 **Radio**

Run this script on your micro:bit. Hint: When you click to run it, make sure you see a green outline around it; that shows that it is running.

Have a friend run these blocks on their micro:bit.

How far does the radio reach? Is it blocked by walls or your body? How many letters can you send with the *radio send string* block?

micro:bit | Radio, Part 2

One micro:bit can send commands to control another micro:bit.

Receiver Script
After you make this script, disconnect the micro:bit and attach it to a battery.

```
when radio message received?
  if  radio last number  = 1
    display
    [LED grid pattern]
  else if ◯
    clear display
  ◀▶
```

Sender Scripts
Plug in another micro:bit and make these scripts. Press the A and B buttons to control the first micro:bit!

```
when button A ▾ pressed
  radio send number 1
```

```
when button B ▾ pressed
  radio send number 2
```

> **Note:** *If others near you are also using radio, use different groups to avoid confusion.*
> *Add this script to both sender and receiver.*

A group is like your own private radio channel. Use the same group number for your sender and receiver but different from others.

```
when started
  radio set group 10
```

http://microblocks.fun