

micro:bit | Radio

Libraries: LED Display Radio Basic Sensors Blocks from: Control Operators
Output

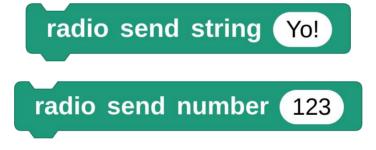
Radio blocks let micro:bits communicate without wires! You need two micro:bits: one to be the sender and the other to be the receiver.

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

```
when radio message received?

say radio last string radio last number
```

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?



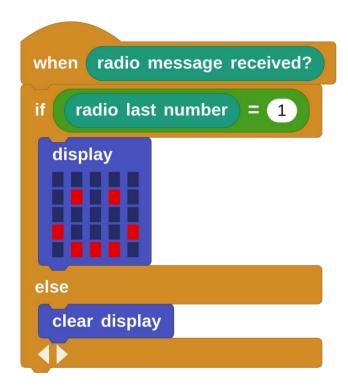




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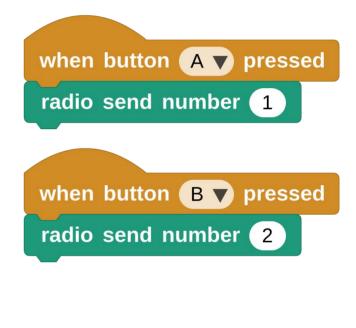
Receiver Script

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



Sender Scripts

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





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 nearby.

when started radio set group 10 (0-255)