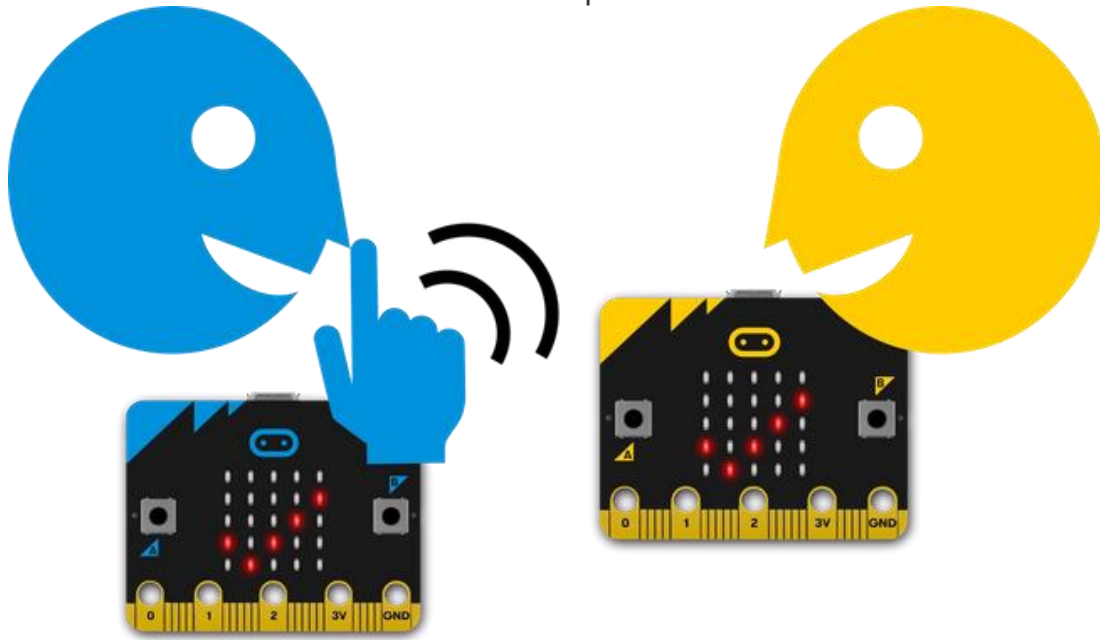


Tell me a secret

Step 1: Make it

What is it?

Use micro:bit's radio feature to answer questions in secret.



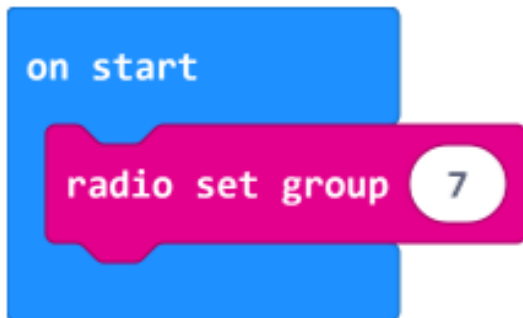
How it works

- Flash this program on to two micro:bits. You and a friend ask each other questions that have 'yes' or 'no' as the answer.
- Press input button A to send 'yes' and button B to send 'no' messages. A tick or cross will flash on both micro:bits' LED display outputs for half a second.
- The program uses **radio** to send your answer secretly - no-one (except your partner) can hear the radio signal.
- When a radio message is received, the program uses **selection** to test the message: **if** the received message **is equal to** 'yes', **then** it shows a tick on the LED display, but **if** the message **is equal to** 'no' **then** it shows a cross.
- Make sure the radio group number is the same on both micro:bits – you can use any number between 0 and 255.
- If lots of you are using this program in the same place, you'll want to make sure each pair of people has their own radio group number.
- Keep your radio group number a secret if you don't want anyone snooping on your messages!

What you need

- Two micro:bits (or MakeCode simulator)
- MakeCode or Python editor
- battery pack (optional)
- a friend and a secret to share!

Step 2: Code it

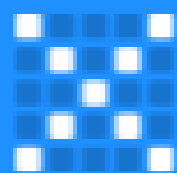


on button B ▼ pressed

radio send string

"no"

show icon



pause (ms)

500 ▼

clear screen

on radio received `receivedString`

if `receivedString` = `"yes"` then

show icon



pause (ms) 500

clear screen

else if `receivedString` = `"no"` then

show icon



pause (ms) 500

clear screen

