



micro:bit | Radio Vote Counter

Libraries:

LED Display

Radio

This radio vote counter lets people vote with their micro:bits. You can have as many voter micro:bits as you want. One micro:bit is needed to count the votes. For the voters, button A votes yes, B votes no.

Voter scripts

when button A ▼ pressed

radio send number 1

when button B ▼ pressed

radio send number 2

Voter Counter scripts

The Voter Counter script consists of two main event-driven blocks: 'when button A ▼ pressed' and 'when button B ▼ pressed'.
The 'when button A ▼ pressed' block contains:

- set yes votes ▼ to 0
- set no votes ▼ to 0
- forever loop:
 - wait until radio message received?
 - if 1 = radio last number:
 - change yes votes ▼ by 1
 - if 2 = radio last number:
 - change no votes ▼ by 1
- say yes: yes votes no: no votes <>>

The 'when button B ▼ pressed' block contains:

- stop other tasks
- say Final count yes: yes votes no: no votes <>>
- scroll text Yes ▶
- scroll text yes votes ▶
- scroll text No ▶
- scroll text no votes ▶

Press the A button on the vote counter micro:bit to start.

Press the B button to end the voting and show the result.