

8. Case 06: Drive at Random

8.1. Purpose

- Programme to set the TPBot driving at random.

8.2. Material

- 1 x [TPBot](#)

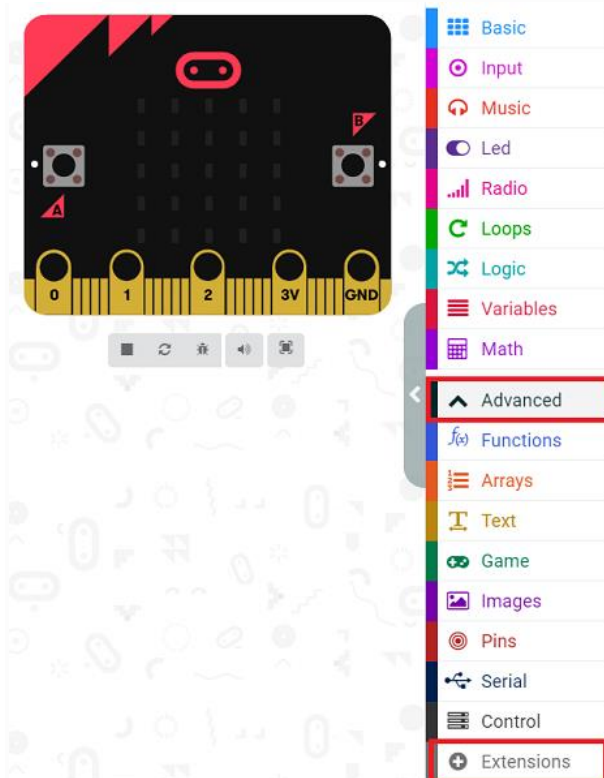


8.3. Software

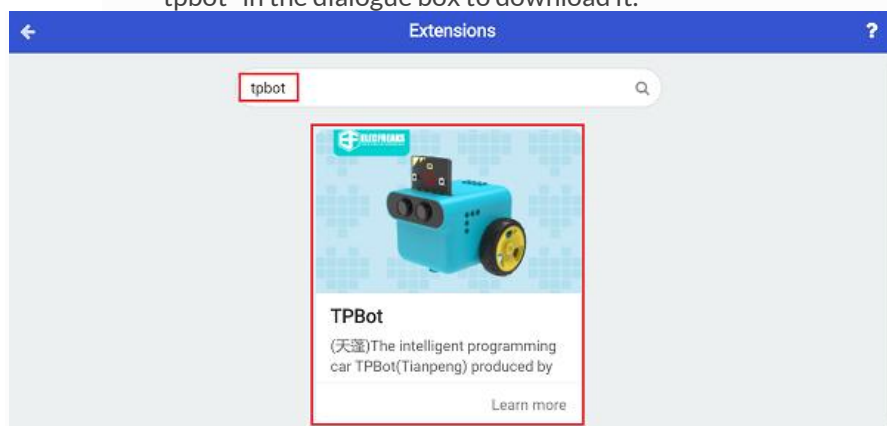
[MicroSoftmakecode](#)

8.4. Programming

- Click “Advanced” to see more choices in the MakeCode drawer.

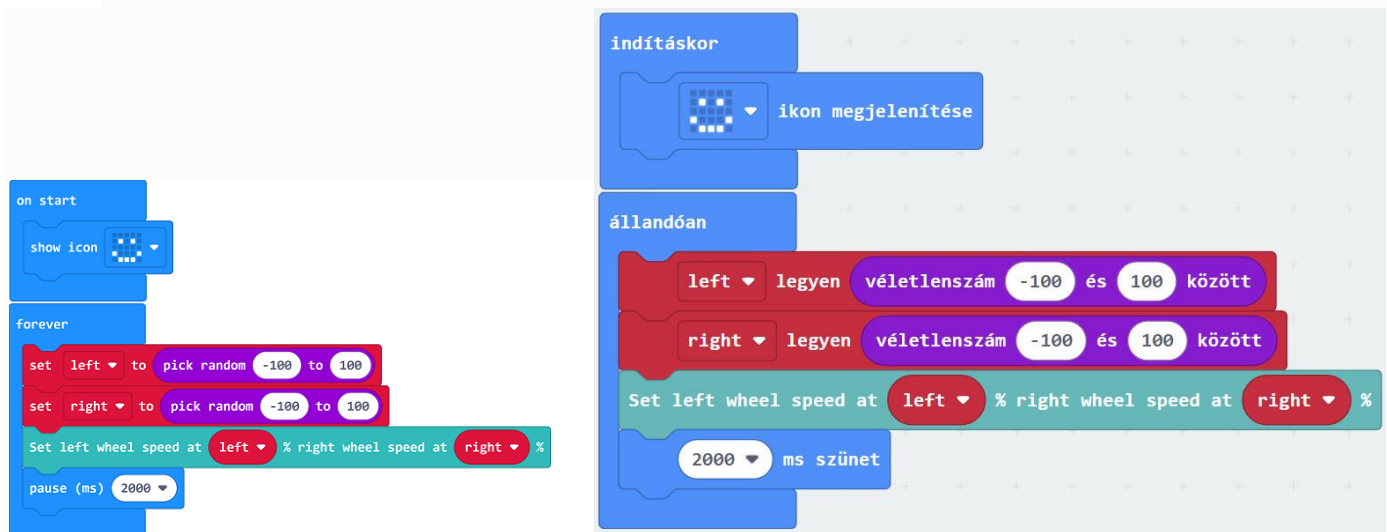


- We need to add a package for programming. Click “Extensions” in the bottom of the drawer and search with “tpbot” in the dialogue box to download it.



##Sample

- Set a smile face on the micro:bit.
- Set the speed of the left and the right wheel at a random value between -100~100 and pause 2 seconds.
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Link

- Link: <https://makecode.microbit.org/ PHzL9LUCL4cv>
- You may also download it directly below:

8.5. Conclusion

- The micro:bit shows a smile face and the speed of both wheels changes every two seconds at random.